

Converting Colors

XYZ(80.3210, 91.8817, 77.5106)

Have a look what the booklet for
XYZ(80.3210, 91.8817, 77.5106)
contains.

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Color

**XYZ(80.3549, 91.6829,
77.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FCD7
RGB	232, 252, 215
RGB Percent	91%, 99%, 84%
CMY	0.0902, 0.0117, 0.1569
CMYK	0.08, 0.00, 0.15, 0.01
HSL	92°, 86%, 92%
HSV	92°, 15%, 99%
XYZ	80.3549, 91.6829, 77.7514
YIQ	241.8020, -0.0430, -15.7470

Conversions

Conversions Part 2

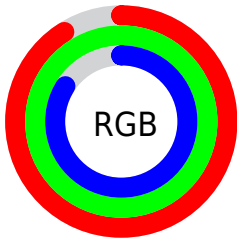
Format	Color
R_{YB}	215, 252, 235
Decimal	15269079
CIE _{Lab}	96.69, -12.95, 15.53
CIE _{LCh}	97, 20.223, 129.829
Yxy	91.6829, 0.3217, 0.3670
Android (android.graphics.Color)	4293459159 (0xFFE8FCD7)
YUV	241.8020, -13.2134, -8.5964
Hunter-Lab	95.7512, -17.7664, 18.8815

Details

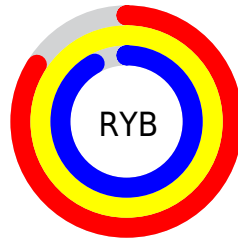
The XYZ color **80.3549, 91.6829, 77.7514** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.1356, 73.2938, 102.2346**, and the grayscale version is **84.3449, 88.7374, 96.6350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7648, 50.7984, 40.7561** is the 20% darker color. If you saturate the color by 10%, you get **73.1113, 88.2972, 61.7912**, and if you desaturate by 10%, it is **88.4451, 95.4528, 96.3586**.

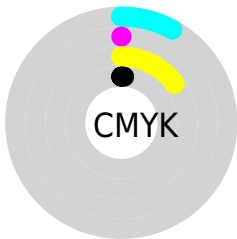
Distribution



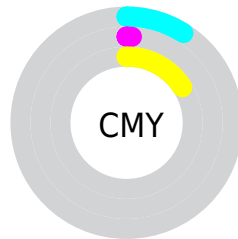
- Red (91%)
- Green (99%)
- Blue (84%)



- Red (84%)
- Yellow (99%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)





- Cyan (9%)
- Magenta (1%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3549, 91.6829, 77.7514 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.3549, 91.6829, 77.7514 by changing the saturation by 10% instead.


 80.3549, 91.6829,
77.7514

 80.3549, 91.6829,
77.7514


484.8464,
533.4902, 506.8277

 60.3199, 69.3773,
57.3545


132.8125,
149.6738, 131.9823

 43.9270, 51.0190,
40.8787


165.9658,
186.1279, 166.6534

 30.8108, 36.2238,
27.9053


204.2226,
228.0670, 206.9197

 20.6059, 24.6071,
18.0159

247.9483,
275.8753, 253.1997

 12.9471, 15.7845,
10.7918

297.5081,
329.9375, 305.9120

 7.4689, 9.3718,
5.8146

353.2675,

 3.8059, 4.9845,

390.6377, 365.4750

2.6657

415.5918,
458.3605, 432.3074

■ 1.5929, 2.2382,
0.9261

■ 0.3878, 0.7407,
0.0000

■ 80.3549, 91.6829,
77.7514

■ 80.3549, 91.6829,
77.7514

■ 73.1113, 88.2972,
61.7912

■ 88.4451, 95.4528,
96.3586

■ 66.6765, 85.2707,
48.3518

■ 94.1022, 98.1044,
108.5841

■ 61.0205, 82.5936,
37.3058

■ 56.1081, 80.2507,
28.5120

■ 51.9012, 78.2258,
21.8146

■ 48.3575, 76.5010,
17.0380

■ 45.4288, 75.0560,
13.9776

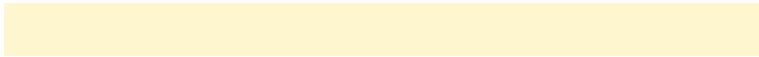
■ 43.0577, 73.8664,
12.3826

■ 41.9842, 73.3217,
11.9397

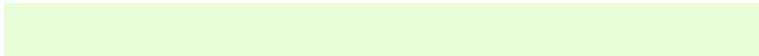
Harmonies

Analogous

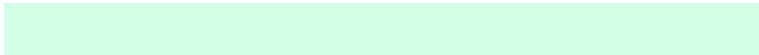
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2970, 91.6829, 72.1557



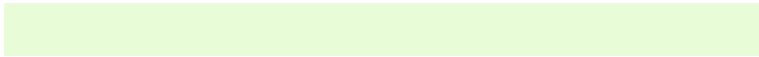
80.3549, 91.6829, 77.7514



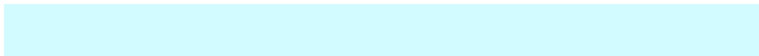
77.3194, 91.6829, 89.4597

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3549, 91.6829, 77.7514



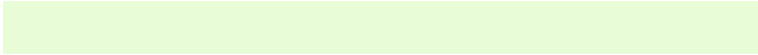
83.4424, 91.6829, 132.0380



98.3121, 91.6829, 94.6000

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.3549, 91.6829, 77.7514



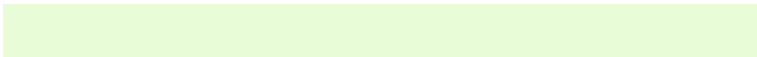
76.1356, 73.2938, 102.2346

Split Complementary

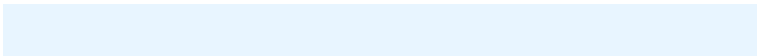
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.7628, 91.6829, 110.9660



80.3549, 91.6829, 77.7514



89.0131, 91.6829, 133.7981

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



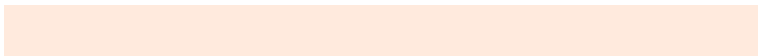
80.3549, 91.6829, 77.7514



79.0477, 91.6829, 121.1526



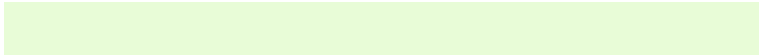
94.3006, 91.6829, 125.7296



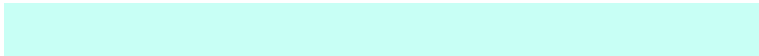
95.7704, 91.6829, 81.1635

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3549, 91.6829, 77.7514



76.7047, 91.6829, 99.7340



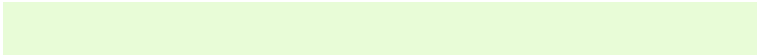
94.3006, 91.6829, 125.7296



98.4852, 91.6829, 99.9202

Sweetspot

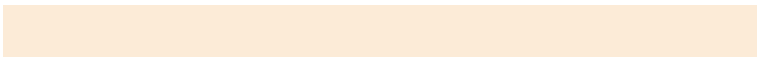
The Sweet Spot groups the original color and five complimentary colors.



80.3574, 91.6869, 77.7534



91.4512, 98.3295, 100.3857



82.0462, 84.8693, 76.3485



19.4329, 20.9809, 21.1549



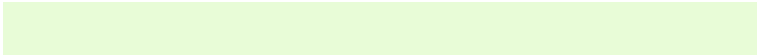
0.0000, 0.0000, 0.0000



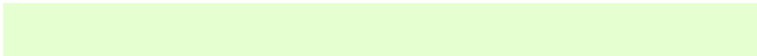
20.3446, 21.4041, 23.3091

Same Dimension

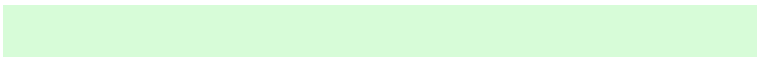
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3574, 91.6869, 77.7534



79.9739, 92.9822, 74.1188



75.2623, 89.0419, 78.3455



17.7751, 19.6998, 18.3280



22.0345, 38.2775, 6.2270



2.1615, 3.6074, 0.5824

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.1356, 73.2938, 102.2346



74.7784, 70.3479, 104.2450



81.8246, 76.2491, 101.4837



17.1796, 17.1052, 21.7815



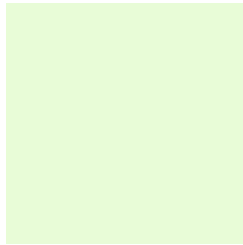
14.6336, 6.4866, 48.4543



1.4776, 0.6638, 4.4934

Previews

White Background



This preview shows how the XYZ color 80.3549, 91.6829, 77.7514 looks on a white background.

Color Contrast Check

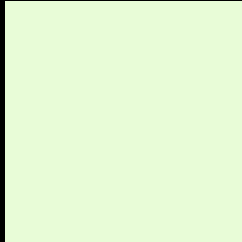
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.3549, 91.6829, 77.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

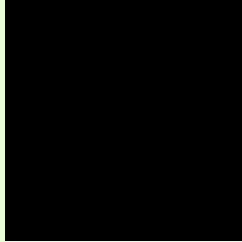
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

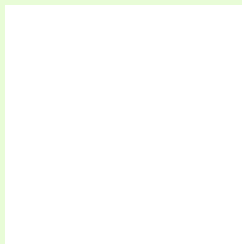
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3549, 91.6829, 77.7514

Background



This preview shows how black text looks on a background with the XYZ color 80.3549, 91.6829, 77.7514.



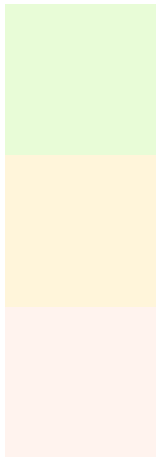
This preview shows how white text looks on a background with the XYZ color 80.3549, 91.6829,

77.7514.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.3549, 91.6829, 77.7514

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

88.7232, 91.5342, 93.8806

Tritanopia

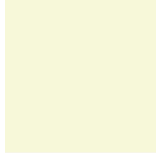
87.3204, 91.4021, 107.6478

Trichromacy



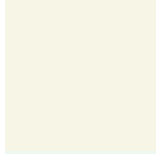
Original Color

80.3549, 91.6829, 77.7514



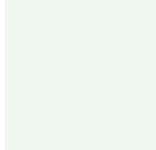
Protanomaly

84.4496, 91.9187, 78.9368



Deuteranomaly

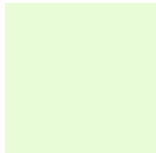
85.5965, 91.3989, 87.9932



Tritanomaly

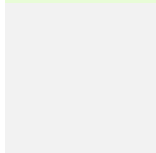
84.5555, 91.6032, 95.6627

Monochromacy



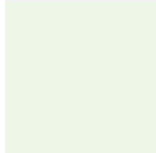
Original Color

80.3549, 91.6829, 77.7514



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.7812, 89.9149, 89.3362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3549, 91.6829, 77.7514 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 252, 215)` looks like.

```
.text, #text, p{  
    color:rgb(232, 252, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 252, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 252, 215) }
```

Border

The CSS property to change the border of an element to XYZ 80.3549, 91.6829, 77.7514 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 252, 215) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 252, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 252, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 252, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 252, 215);  
box-shadow:4px 4px 4px 4px rgb(232, 252,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3549, 91.6829, 77.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 252, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
252, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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