

Converting Colors

XYZ(79.9091, 93.0068, 71.4984)

Have a look what the booklet for
XYZ(79.9091, 93.0068, 71.4984)
contains.

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Color

**XYZ(80.0582, 93.0836,
71.5050)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFCD
RGB	232, 255, 205
RGB Percent	91%, 100%, 80%
CMY	0.0902, 0.0000, 0.1961
CMYK	0.09, 0.00, 0.20, 0.00
HSL	88°, 100%, 90%
HSV	88°, 20%, 100%
XYZ	80.0582, 93.0836, 71.5050
YIQ	242.4230, 2.3420, -20.4260

Conversions

Conversions Part 2

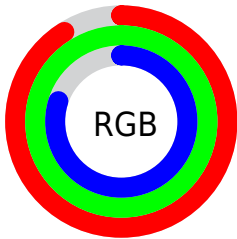
Format	Color
R_{YB}	205, 255, 228
Decimal	15269837
CIE _{Lab}	97.26, -16.00, 21.44
CIE _{LCh}	97, 26.747, 126.732
Yxy	93.0836, 0.3272, 0.3805
Android (android.graphics.Color)	4293459917 (0xFFE8FFCD)
YUV	242.4230, -18.4495, -9.1410
Hunter-Lab	96.4798, -20.7219, 23.5937

Details

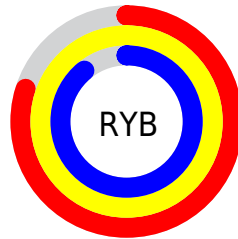
The XYZ color **80.0582, 93.0836, 71.5050** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.8771, 67.3778, 103.8246**, and the grayscale version is **84.8730, 89.2930, 97.2401**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6845, 51.8526, 36.9843** is the 20% darker color. If you saturate the color by 10%, you get **73.5449, 90.0530, 56.4203**, and if you desaturate by 10%, it is **87.3285, 96.4464, 89.2465**.

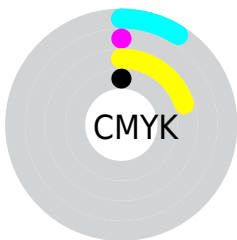
Distribution



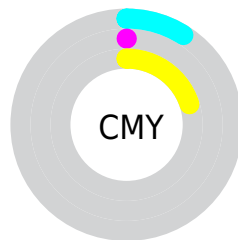
- Red (91%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (89%)



- Cyan (9%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0582, 93.0836, 71.5050 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 80.0582, 93.0836, 71.5050 by changing the saturation by 10% instead.


 80.0582, 93.0836,
71.5050

 80.0582, 93.0836,
71.5050


483.8625,
538.0115, 484.7480

 60.0749, 70.5410,
52.2701


132.3976,
151.6143, 123.0537

 43.7287, 51.9677,
36.8367


165.4845,
188.3713, 156.2045

 30.6543, 36.9793,
24.7862


203.6699,
230.6351, 194.8310

 20.4863, 25.1915,
15.7003

247.3192,
278.7902, 239.3517

 12.8593, 16.2198,
9.1603

296.7977,
333.2210, 290.1853

 7.4081, 9.6798,
4.7476

352.4709,

 3.7672, 5.1872,

394.3119, 347.7501

2.0438

414.7040,
462.4472, 412.4649

■ 1.5713, 2.3575,
0.5820

■ 0.3736, 0.8039,
0.0000

■ 80.0582, 93.0836,
71.5050

■ 80.0582, 93.0836,
71.5050

■ 73.5449, 90.0530,
56.4203

■ 87.3285, 96.4464,
89.2465

■ 67.7578, 87.3417,
43.8602

95.0500, 100.0000,
108.9000

■ 62.6660, 84.9366,
33.6873

■ 58.2355, 82.8237,
25.7498

■ 54.4288, 80.9873,
19.8779

■ 51.2034, 79.4098,
15.8780

■ 48.5099, 78.0706,
13.5194

■ 46.2735, 76.9393,
12.4407

■ 46.1918, 76.8978,
12.4082

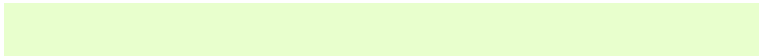
Harmonies

Analogous

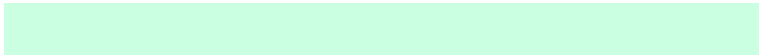
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7796, 93.0836, 65.3640



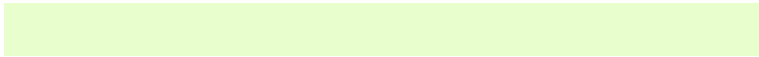
80.0582, 93.0836, 71.5050



75.7754, 93.0836, 85.7745

Triad

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



80.0582, 93.0836, 71.5050



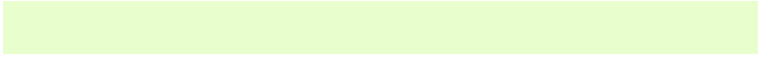
82.8521, 93.0836, 144.6268



103.7145, 93.0836, 96.5486

Complementary

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



80.0582, 93.0836, 71.5050



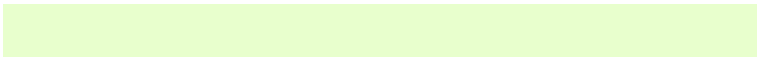
71.8771, 67.3778, 103.8246

Split Complementary

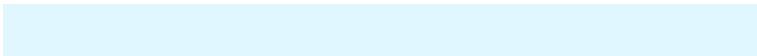
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.5156, 93.0836, 118.7103



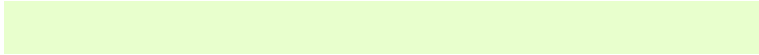
80.0582, 93.0836, 71.5050



90.1887, 93.0836, 148.5920

Square

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



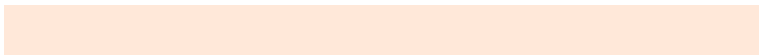
80.0582, 93.0836, 71.5050



77.3231, 93.0836, 128.3552



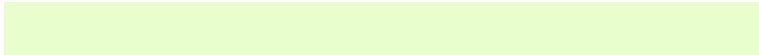
97.4581, 93.0836, 138.5272



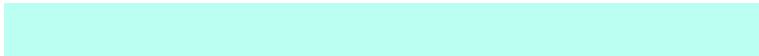
100.6467, 93.0836, 78.4297

Rectangle

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



80.0582, 93.0836, 71.5050



74.7349, 93.0836, 98.9963



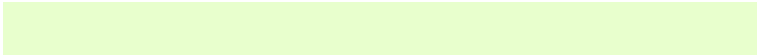
97.4581, 93.0836, 138.5272



103.7997, 93.0836, 103.7452

Sweetspot

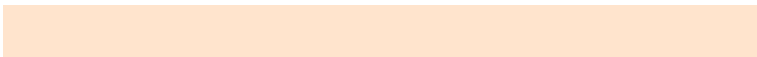
The Sweet Spot groups the original color and five complimentary colors.



80.0588, 93.0839, 71.5064



90.1416, 97.7430, 96.3199



79.8661, 80.8806, 69.1611



19.1833, 20.8701, 20.3365



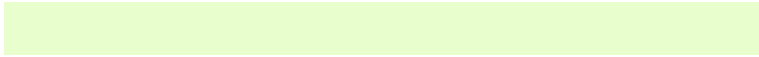
0.0000, 0.0000, 0.0000



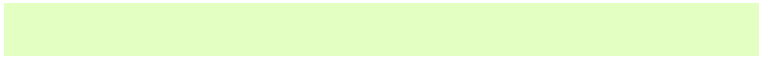
20.3446, 21.4041, 23.3091

Same Dimension

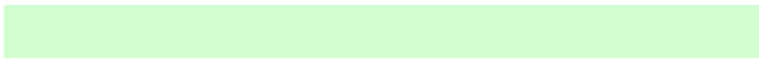
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0588, 93.0839, 71.5064



77.1058, 91.7123, 64.5596



72.6523, 89.2657, 71.1598



18.7087, 20.6513, 19.1444



24.3105, 40.2706, 6.4917



2.4931, 3.9860, 0.6380

Inverse Universe

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



71.8771, 67.3778, 103.8246



67.4068, 61.2366, 102.8749



80.2081, 71.6726, 104.2145



17.7970, 17.7871, 22.7452



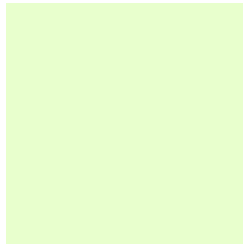
13.4536, 5.8461, 49.8539



1.4342, 0.6333, 4.8599

Previews

White Background



This preview shows how the XYZ color 80.0582, 93.0836, 71.5050 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 80.0582, 93.0836, 71.5050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

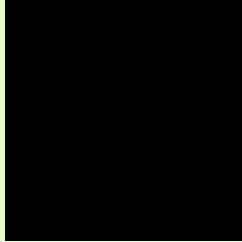
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

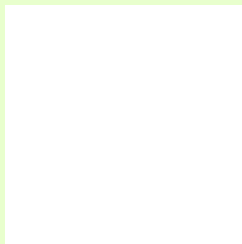
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0582, 93.0836, 71.5050

Background



This preview shows how black text looks on a background with the XYZ color 80.0582, 93.0836, 71.5050.



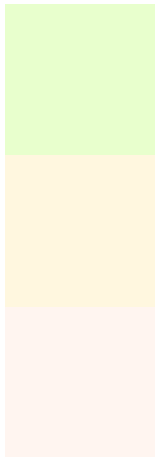
This preview shows how white text looks on a background with the XYZ color 80.0582, 93.0836,

71.5050.

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

80.0582, 93.0836, 71.5050

Protanopia

87.8200, 93.1092, 83.1553

Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

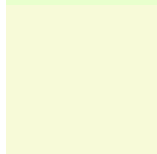
88.9670, 93.1540, 107.8992

Trichromacy



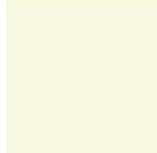
Original Color

80.0582, 93.0836, 71.5050



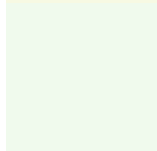
Protanomaly

84.9380, 93.1032, 78.4598



Deuteranomaly

86.0986, 93.0716, 86.0998



Tritanomaly

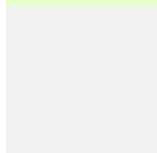
85.4068, 93.0109, 93.5722

Monochromacy



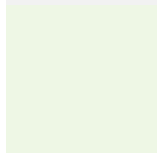
Original Color

80.0582, 93.0836, 71.5050



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.6635, 90.3558, 87.2123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0582, 93.0836, 71.5050 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, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 205)  
}
```

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, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 80.0582, 93.0836, 71.5050 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, 255, 205) }
```


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

```
.border{ border-color:rgb(232, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0582, 93.0836, 71.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 205) }
```

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

```
.background{ background-color: rgb(232,  
255, 205) }
```

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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