

Converting Colors

XYZ(77.6489, 91.6973, 77.9093)

Have a look what the booklet for
XYZ(77.6489, 91.6973, 77.9093)
contains.

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Color

**XYZ(77.5409, 91.6419,
77.8918)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFD7
RGB	220, 255, 215
RGB Percent	86%, 100%, 84%
CMY	0.1373, 0.0000, 0.1569
CMYK	0.14, 0.00, 0.16, 0.00
HSL	113°, 100%, 92%
HSV	113°, 16%, 100%
XYZ	77.5409, 91.6419, 77.8918
YIQ	239.9750, -8.0200, -19.8600

Conversions

Conversions Part 2

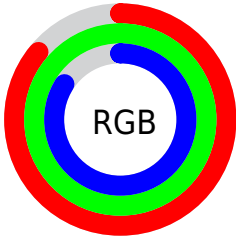
Format	Color
RYB	215, 255, 250
Decimal	14483415
CIELab	96.67, -18.46, 15.39
CIELCh	97, 24.040, 140.183
Yxy	91.6419, 0.3138, 0.3709
Android (android.graphics.Color)	4292673495 (0xFFDCFFD7)
YUV	239.9750, -12.3127, -17.5181
Hunter-Lab	95.7298, -22.9425, 18.7687

Details

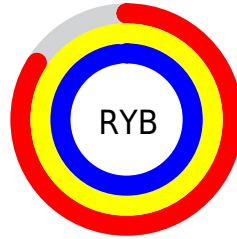
The XYZ color **77.5409, 91.6419, 77.8918** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.7756, 76.1461, 104.9954**, and the grayscale version is **82.9022, 87.2196, 94.9821**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0563, 50.9256, 40.8707** is the 20% darker color. If you saturate the color by 10%, you get **68.2066, 87.1794, 61.6628**, and if you desaturate by 10%, it is **88.2887, 96.7740, 96.8556**.

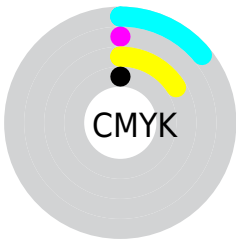
Distribution



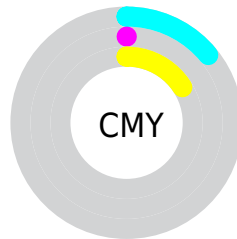
- Red (86%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5409, 91.6419, 77.8918 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 77.5409, 91.6419, 77.8918 by changing the saturation by 10% instead.

77.5409, 91.6419,
77.8918

77.5409, 91.6419,
77.8918

475.4700,
533.3575, 507.3175

57.9984, 69.3432,
57.4692

128.8715,
149.6170, 132.1821

42.0506, 50.9913,
40.9702

161.3904,
186.0622, 166.8868

29.3322, 36.2017,
27.9763

198.9653,
227.9917, 207.1893

19.4778, 24.5900,
18.0689

241.9618,
275.7899, 253.5081

12.1221, 15.7719,
10.8295

290.7452,
329.8412, 306.2618

6.8997, 9.3629,
5.8396

345.6808,

3.4452, 4.9786,

390.5299, 365.8689

2.6806

407.1339,
458.2406, 432.7479

■ 1.3933, 2.2347,
0.9336

■ 0.2515, 0.7388,
0.0000

■ 77.5409, 91.6419,
77.8918

■ 77.5409, 91.6419,
77.8918

■ 68.2066, 87.1794,
61.6628

■ 88.2887, 96.7740,
96.8556

■ 60.2246, 83.3579,
48.0384

95.0500, 100.0000,
108.9000

■ 53.5326, 80.1480,
36.8844

■ 48.0621, 77.5176,
28.0527

■ 43.7385, 75.4320,
21.3793

■ 40.4787, 73.8522,
16.6792

■ 38.1883, 72.7341,
13.7359

■ 36.7549, 72.0259,
12.2819

■ 36.3517, 71.8250,
11.9477

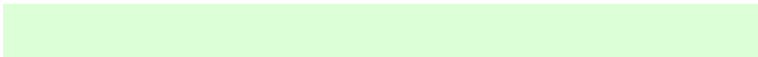
Harmonies

Analogous

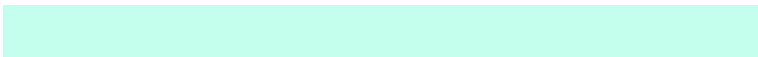
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7161, 91.6419, 68.8954



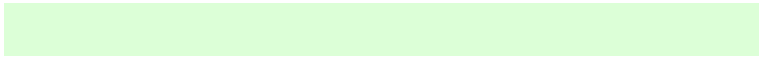
77.5409, 91.6419, 77.8918



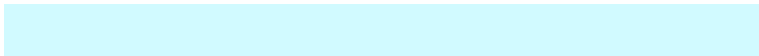
74.9692, 91.6419, 93.5985

Triad

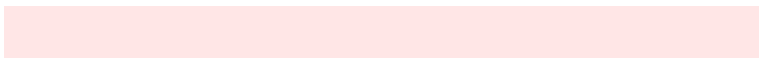
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5409, 91.6419, 77.8918



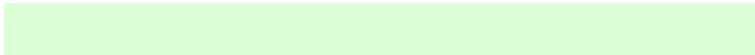
84.9160, 91.6419, 140.9154



99.8160, 91.6419, 87.5398

Complementary

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



77.5409, 91.6419, 77.8918



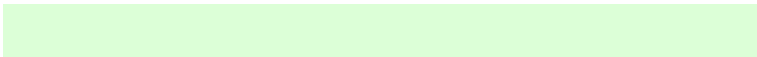
81.7756, 76.1461, 104.9954

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.



100.4798, 91.6419, 106.2329



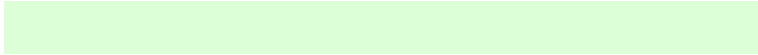
77.5409, 91.6419, 77.8918



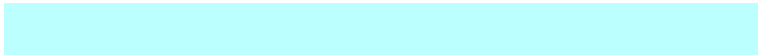
91.6421, 91.6419, 138.7463

Square

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



77.5409, 91.6419, 77.8918



79.0801, 91.6419, 131.0254



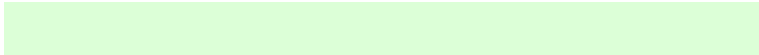
97.4203, 91.6419, 125.4324



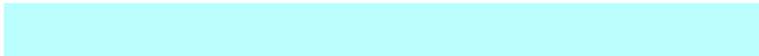
95.6507, 91.6419, 73.9483

Rectangle

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



77.5409, 91.6419, 77.8918



74.9822, 91.6419, 106.4756



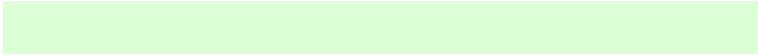
97.4203, 91.6419, 125.4324



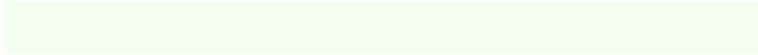
100.4640, 91.6419, 93.3759

Sweetspot

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



77.5416, 91.6422, 77.8932



89.0786, 97.1510, 98.2585



87.5882, 94.3308, 77.8826



18.8932, 20.7116, 20.7236



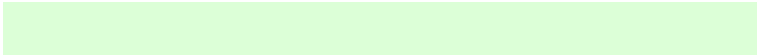
0.0000, 0.0000, 0.0000



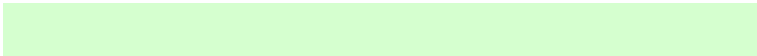
20.3446, 21.4041, 23.3091

Same Dimension

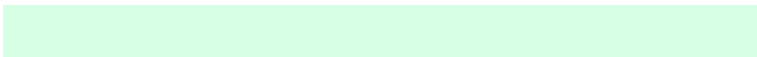
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5416, 91.6422, 77.8932



74.2938, 90.0902, 72.2169



78.0213, 91.6619, 88.1990



17.9825, 20.2769, 19.1104



19.0598, 37.5638, 6.2460



1.9191, 3.6901, 0.6111

Inverse Universe

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



81.7756, 76.1461, 104.9954



79.3011, 71.7574, 104.2787



81.3188, 76.1731, 93.1154



18.5561, 18.1784, 22.7807



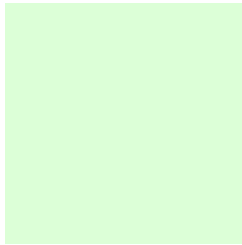
25.4412, 12.0259, 50.4149



2.5370, 1.2018, 4.9115

Previews

White Background



This preview shows how the XYZ color 77.5409, 91.6419, 77.8918 looks on a white background.

Color Contrast Check

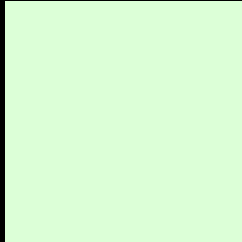
Large Text (above 18pt) WCAG AA × Fail

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 77.5409, 91.6419, 77.8918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

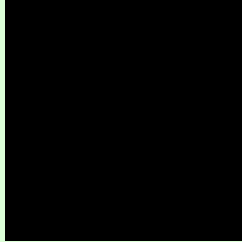
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

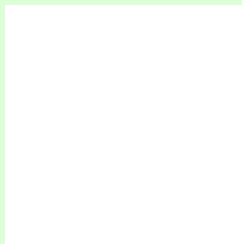
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5409, 91.6419, 77.8918

Background



This preview shows how black text looks on a background with the XYZ color 77.5409, 91.6419, 77.8918.



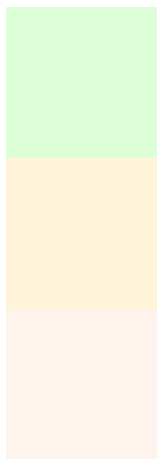
This preview shows how white text looks on a background with the XYZ color 77.5409, 91.6419,

77.8918.

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

77.5409, 91.6419, 77.8918

Protanopia

86.1151, 90.9711, 78.6661

Deuteranopia

88.7232, 91.5342, 93.8806



Tritanopia

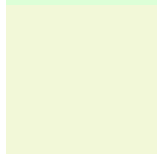
86.2657, 91.3087, 107.6854

Trichromacy



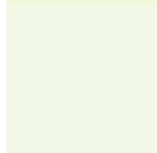
Original Color

77.5409, 91.6419, 77.8918



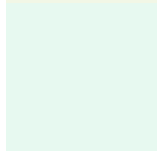
Protanomaly

82.5800, 90.9699, 78.1723



Deuteranomaly

84.1616, 91.1119, 88.0135



Tritanomaly

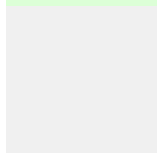
82.5589, 91.0316, 95.6576

Monochromacy



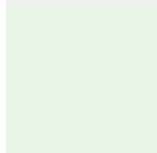
Original Color

77.5409, 91.6419, 77.8918



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.6805, 88.3980, 88.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5409, 91.6419, 77.8918 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(220, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 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(220, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 77.5409, 91.6419, 77.8918 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(220, 255, 215) }
```


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

```
.border{ border-color:rgb(220, 255, 215) }
```

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

Here you see how a box with a 4 pixel rgb(220, 255, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5409, 91.6419, 77.8918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 215) }
```

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

```
.background{ background-color: rgb(220,  
255, 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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