

Converting Colors

XYZ(77.4723, 91.5500, 80.4452)

Have a look what the booklet for
XYZ(77.4723, 91.5500, 80.4452)
contains.

XYZ(77.4596, 91.5399, 80.6042)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.4596, 91.5399,
80.6042)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFDB
RGB	218, 255, 219
RGB Percent	85%, 100%, 86%
CMY	0.1451, 0.0000, 0.1412
CMYK	0.15, 0.00, 0.14, 0.00
HSL	122°, 100%, 93%
HSV	122°, 15%, 100%
XYZ	77.4596, 91.5399, 80.6042
YIQ	239.8330, -10.4960, -19.0400

Conversions

Conversions Part 2

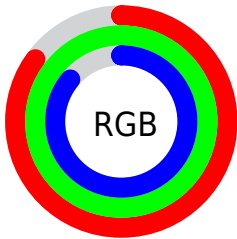
Format	Color
R_{YB}	218, 254, 255
Decimal	14352347
CIE _{Lab}	96.63, -18.45, 13.27
CIE _{LCh}	97, 22.724, 144.274
Yxy	91.5399, 0.3103, 0.3667
Android (android.graphics.Color)	4292542427 (0xFFDAFFDB)
YUV	239.8330, -10.2707, -19.1475
Hunter-Lab	95.6765, -22.9204, 17.0237

Details

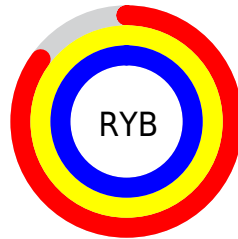
The XYZ color **77.4596, 91.5399, 80.6042** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **84.2011, 78.5592, 104.4910**, and the grayscale version is **82.7770, 87.0878, 94.8387**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9992, 50.8550, 42.7244** is the 20% darker color. If you saturate the color by 10%, you get **67.3845, 86.6957, 64.3342**, and if you desaturate by 10%, it is **89.1961, 97.1843, 99.4959**.

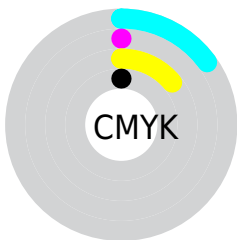
Distribution



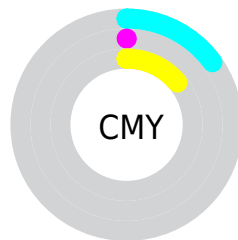
- Red (85%)
- Green (100%)
- Blue (86%)



- Red (85%)
- Yellow (100%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.4596, 91.5399, 80.6042 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 77.4596, 91.5399, 80.6042 by changing the saturation by 10% instead.


 77.4596, 91.5399,
80.6042

 77.4596, 91.5399,
80.6042


475.1976,
533.0275, 516.7271

 57.9314, 69.2585,
59.6866


128.7575,
149.4755, 136.0339

 41.9965, 50.9223,
42.7424


161.2578,
185.8986, 171.3831

 29.2897, 36.1468,
29.3532

198.8129,
227.8044, 212.3799

 19.4455, 24.5476,
19.1003

241.7882,
275.5772, 259.4429

 12.0985, 15.7403,
11.5652

290.5489,
329.6016, 312.9906

 6.8835, 9.3406,
6.3294

345.4605,

 3.4350, 4.9640,

390.2618, 373.4414

2.9744

406.8883,
457.9423, 441.2141

■ 1.3878, 2.2261,
1.0816

■ 0.2475, 0.7342,
0.0000

■ 77.4596, 91.5399,
80.6042

■ 77.4596, 91.5399,
80.6042

■ 67.3845, 86.6957,
64.3342

■ 89.1961, 97.1843,
99.4959

■ 58.8939, 82.6146,
50.5662

95.0500, 100.0000,
108.9000

■ 51.9078, 79.2579,
39.1773

■ 46.3383, 76.5834,
30.0329

■ 42.0887, 74.5442,
22.9847

■ 39.0500, 73.0878,
17.8667

■ 37.0958, 72.1532,
14.4878

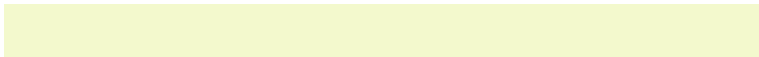
■ 36.0721, 71.6657,
12.6180

■ 35.7978, 71.5351,
12.1190

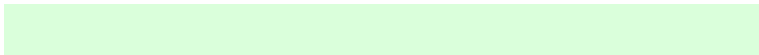
Harmonies

Analogous

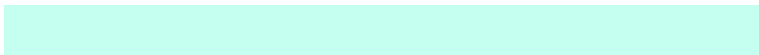
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0794, 91.5399, 71.0560



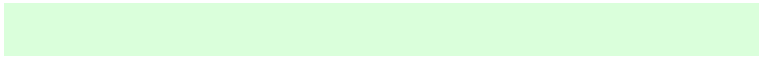
77.4596, 91.5399, 80.6042



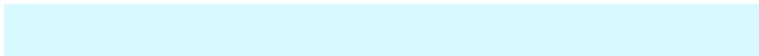
75.4067, 91.5399, 96.2207

Triad

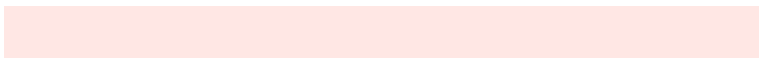
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4596, 91.5399, 80.6042



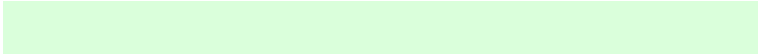
85.7925, 91.5399, 138.6983



98.6254, 91.5399, 85.9679

Complementary

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



77.4596, 91.5399, 80.6042



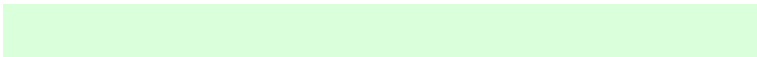
84.2011, 78.5592, 104.4910

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.



99.7376, 91.5399, 103.2036



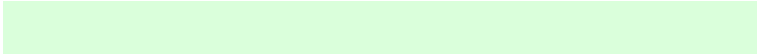
77.4596, 91.5399, 80.6042



92.1258, 91.5399, 135.0920

Square

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



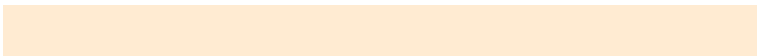
77.4596, 91.5399, 80.6042



80.0651, 91.5399, 130.8610



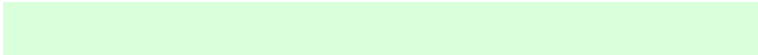
97.3060, 91.5399, 121.5307



94.3368, 91.5399, 73.8787

Rectangle

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



77.4596, 91.5399, 80.6042



75.6944, 91.5399, 108.5496



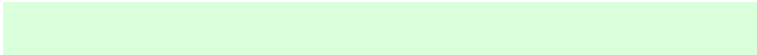
97.3060, 91.5399, 121.5307



99.3916, 91.5399, 91.2910

Sweetspot

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



77.4603, 91.5402, 80.6056



89.8395, 97.4937, 100.5300



89.4286, 97.7253, 80.4801



19.0263, 20.7700, 21.1911



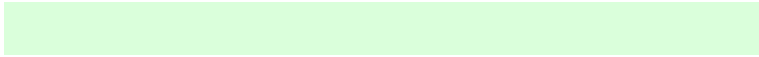
0.0000, 0.0000, 0.0000



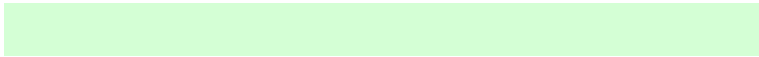
20.3446, 21.4041, 23.3091

Same Dimension

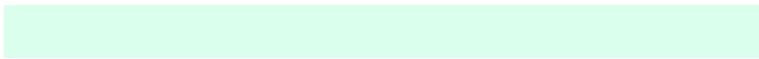
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4603, 91.5402, 80.6056



74.7983, 90.2602, 76.3123



79.9771, 92.5469, 93.8588



17.7915, 20.1761, 19.2049



18.7137, 37.3821, 6.3777



1.8288, 3.6424, 0.6562

Inverse Universe

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



84.2011, 78.5592, 104.4910



82.5579, 75.3169, 103.8076



81.4352, 77.4529, 89.9264



18.7702, 18.2914, 22.6730



30.4200, 14.6573, 47.7237



2.9683, 1.4297, 4.6807

Previews

White Background



This preview shows how the XYZ color 77.4596, 91.5399, 80.6042 looks on a white background.

Color Contrast Check

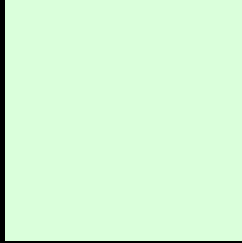
Large Text (above 18pt) WCAG AA × Fail

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 77.4596, 91.5399, 80.6042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

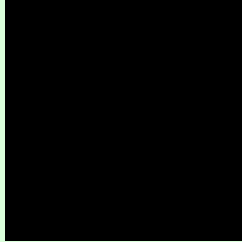
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

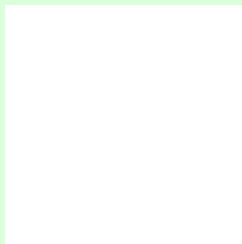
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4596, 91.5399, 80.6042

Background



This preview shows how black text looks on a background with the XYZ color 77.4596, 91.5399, 80.6042.



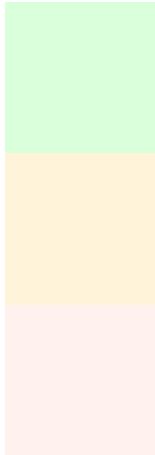
This preview shows how white text looks on a background with the XYZ color 77.4596, 91.5399,

80.6042.

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

77.4596, 91.5399, 80.6042

Protanopia

86.2456, 91.0233, 79.3533

Deuteranopia

88.4247, 90.9373, 93.7811



Tritanopia

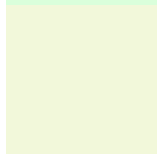
85.9308, 91.1361, 107.6697

Trichromacy



Original Color

77.4596, 91.5399, 80.6042



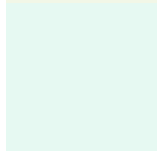
Protanomaly

82.8402, 91.0740, 79.5426



Deuteranomaly

84.3025, 91.1683, 88.7553



Tritanomaly

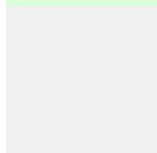
82.5358, 90.9852, 97.2162

Monochromacy



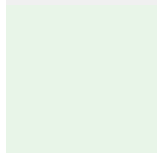
Original Color

77.4596, 91.5399, 80.6042



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.4966, 88.2868, 89.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4596, 91.5399, 80.6042 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(218, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 219)  
}
```

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(218, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 77.4596, 91.5399, 80.6042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

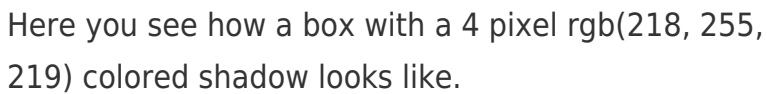
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 255, 219) }
```


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

```
.border{ border-color:rgb(218, 255, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 255, 219); box-shadow:4px 4px 4px 4px rgb(218, 255, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4596, 91.5399, 80.6042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 219) }
```

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

```
.background{ background-color: rgb(218,  
255, 219) }
```

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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