

Converting Colors

XYZ(77.6909, 86.3456,
107.1794)

Have a look what the booklet for
XYZ(77.6909, 86.3456, 107.1794)
contains.

XYZ(77.8538, 86.5219, 107.2048)	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(77.8538, 86.5219,
107.2048)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F5FF
RGB	212, 245, 255
RGB Percent	83%, 96%, 100%
CMY	0.1686, 0.0392, 0.0000
CMYK	0.17, 0.04, 0.00, 0.00
HSL	194°, 100%, 92%
HSV	194°, 17%, 100%
XYZ	77.8538, 86.5219, 107.2048
YIQ	236.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

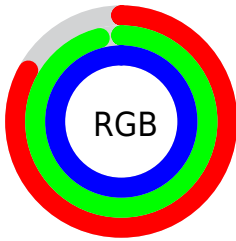
Format	Color
R_{YB}	212, 231, 255
Decimal	13956607
CIE _{Lab}	94.54, -8.62, -8.39
CIE _{LCh}	95, 12.028, 224.228
Yxy	86.5219, 0.2867, 0.3186
Android (android.graphics.Color)	4292146687 (0xFFD4F5FF)
YUV	236.2730, 9.2324, -21.2874
Hunter-Lab	93.0171, -13.3785, -3.2213

Details

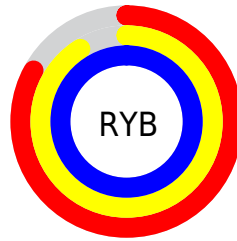
The XYZ color **77.8538, 86.5219, 107.2048** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.2446, 78.2547, 73.2171**, and the grayscale version is **79.8839, 84.0441, 91.5240**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2953, 47.6405, 60.3924** is the 20% darker color. If you saturate the color by 10%, you get **69.3112, 79.5006, 106.2998**, and if you desaturate by 10%, it is **87.6192, 94.2635, 108.1844**.

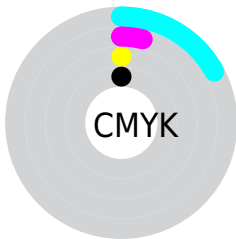
Distribution



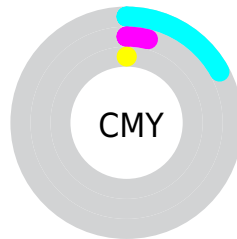
- Red (83%)
- Green (96%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8538, 86.5219, 107.2048 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 77.8538, 86.5219, 107.2048 by changing the saturation by 10% instead.

77.8538, 86.5219,
107.2048

77.8538, 86.5219,
107.2048

476.5176,
516.6505, 604.4960

58.2563, 65.0996,
81.6807

129.3105,
142.4976, 173.1615

42.2588, 47.5419,
60.5681

161.9003,
177.8197, 214.4311

29.4960, 33.4642,
43.4484

199.5516,
218.5440, 261.7864

19.6025, 22.4823,
29.9031

242.6297,
265.0548, 315.6459

12.2130, 14.2117,
19.5136

291.5000,
317.7364, 376.4280

6.9621, 8.2681,
11.8614

346.5279,

3.4846, 4.2670,

376.9733, 444.5514

6.5280

408.0786,
443.1499, 520.4345

■ 1.4149, 1.8240,
3.0948

■ 0.2668, 0.5021,
1.1432

■ 77.8538, 86.5219,
107.2048

■ 77.8538, 86.5219,
107.2048

■ 69.3112, 79.5006,
106.2998

■ 87.6192, 94.2635,
108.1844

■ 61.9299, 73.1602,
105.4650

95.0500, 100.0000,
108.9000

■ 55.6527, 67.4727,
104.6981

■ 50.4152, 62.4040,
103.9958

■ 46.1454, 57.9164,
103.3546

■ 42.7624, 53.9670,
102.7706

■ 40.1706, 50.5060,
102.2392

■ 38.2495, 47.4703,
101.7545

■ 37.7279, 46.5758,
101.6093

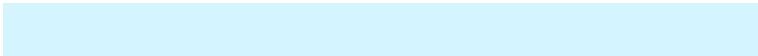
Harmonies

Analogous

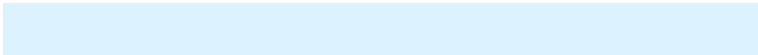
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3459, 86.5219, 98.6599



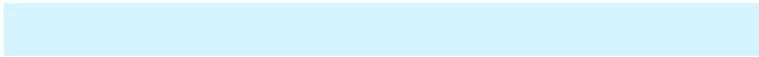
77.8538, 86.5219, 107.2048



80.5552, 86.5219, 112.4366

Triad

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



77.8538, 86.5219, 107.2048



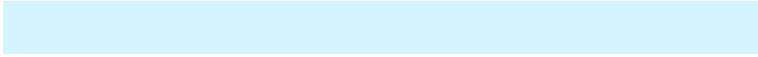
88.3769, 86.5219, 99.1396



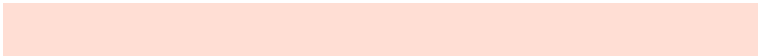
80.7152, 86.5219, 77.9540

Complementary

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



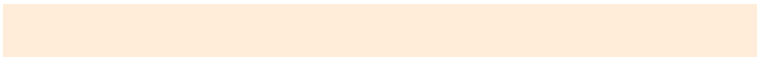
77.8538, 86.5219, 107.2048



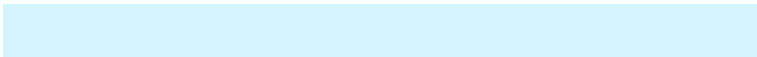
79.2446, 78.2547, 73.2171

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.



83.9410, 86.5219, 78.0638



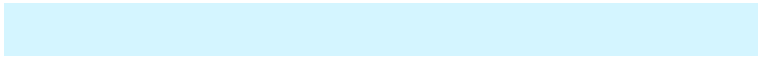
77.8538, 86.5219, 107.2048



88.4225, 86.5219, 89.8914

Square

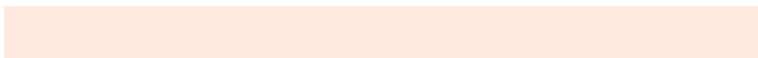
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8538, 86.5219, 107.2048



86.6576, 86.5219, 107.5758



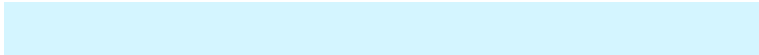
86.7806, 86.5219, 82.3059



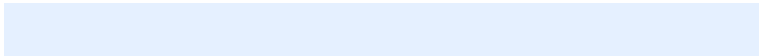
77.9683, 86.5219, 81.9955

Rectangle

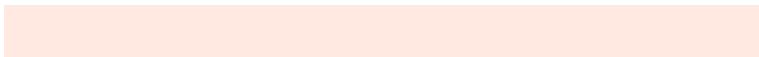
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



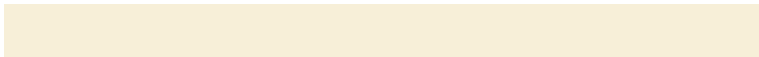
77.8538, 86.5219, 107.2048



82.6965, 86.5219, 113.1391



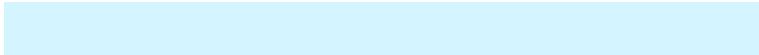
86.7806, 86.5219, 82.3059



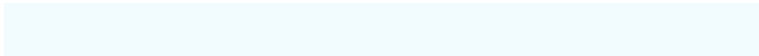
81.7782, 86.5219, 77.5154

Sweetspot

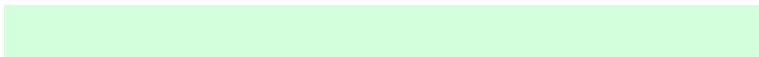
The Sweet Spot groups the original color and five complimentary colors.



77.8561, 86.5254, 107.2054



89.5756, 95.7851, 108.3750



76.0058, 90.7549, 82.1409



19.0137, 20.3784, 23.1812



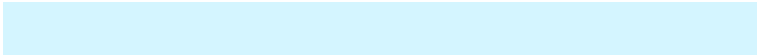
0.0000, 0.0000, 0.0000



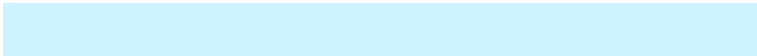
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8561, 86.5254, 107.2054



75.0458, 84.2454, 106.9134



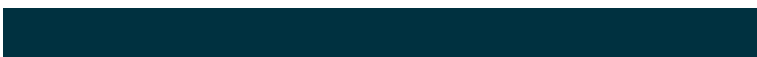
71.9075, 74.6283, 105.2225



18.1759, 19.7234, 23.0990



19.8332, 24.5759, 53.1329



2.0138, 2.5582, 5.2009

Inverse Universe

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



81.2663, 74.9411, 96.5722



79.0324, 70.9256, 94.4334



85.1199, 90.0055, 75.1755



18.6014, 18.2239, 21.7842



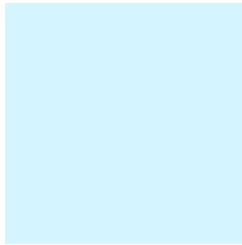
26.7991, 13.2089, 28.6560



2.6511, 1.3028, 3.0099

Previews

White Background



This preview shows how the XYZ color 77.8538, 86.5219, 107.2048 looks on a white background.

Color Contrast Check

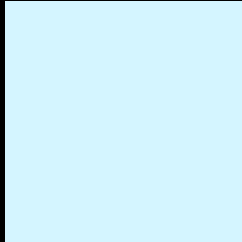
Large Text (above 18pt) WCAG AA × Fail

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 77.8538, 86.5219, 107.2048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

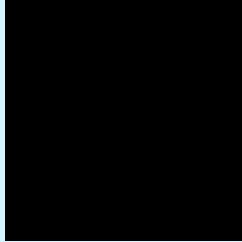
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8538, 86.5219, 107.2048

Background



This preview shows how black text looks on a background with the XYZ color 77.8538, 86.5219, 107.2048.

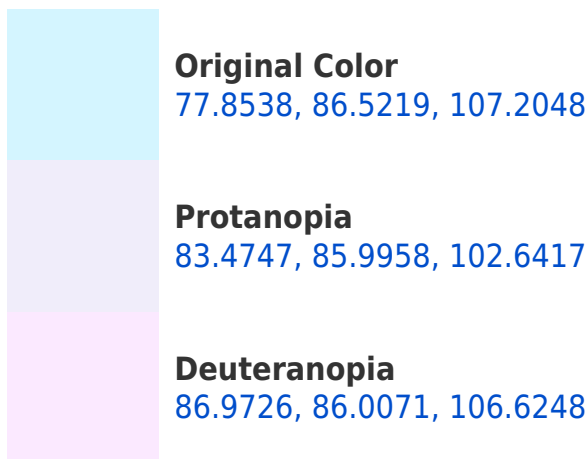


This preview shows how white text looks on a background with the XYZ color 77.8538, 86.5219,

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





Tritanopia

80.2336, 86.4122, 107.0582

Trichromacy



Original Color

77.8538, 86.5219, 107.2048

Protanomaly

81.3639, 86.1714, 104.4399

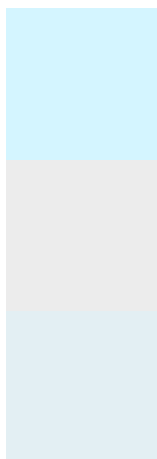
Deuteranomaly

83.2592, 85.7929, 106.7792

Tritanomaly

79.3140, 86.3813, 107.1007

Monochromacy



Original Color

77.8538, 86.5219, 107.2048

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.7227, 84.5350, 96.9618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8538, 86.5219, 107.2048 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(212, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 245, 255)  
}
```

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(212, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8538, 86.5219, 107.2048 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(212, 245, 255) }
```


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

```
.border{ border-color:rgb(212, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8538, 86.5219, 107.2048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 245, 255) }
```

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

```
.background{ background-color: rgb(212,  
245, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor