

Converting Colors

XYZ(77.8037, 84.3588,
106.7899)

Have a look what the booklet for
XYZ(77.8037, 84.3588, 106.7899)
contains.

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Color

**XYZ(77.8254, 84.2919,
106.7759)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F0FF
RGB	217, 240, 255
RGB Percent	85%, 94%, 100%
CMY	0.1490, 0.0588, 0.0000
CMYK	0.15, 0.06, 0.00, 0.00
HSL	204°, 100%, 93%
HSV	204°, 15%, 100%
XYZ	77.8254, 84.2919, 106.7759
YIQ	234.8330, -18.5230, -0.2110

Conversions

Conversions Part 2

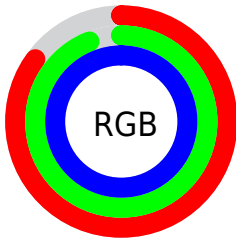
Format	Color
R_{YB}	217, 231, 255
Decimal	14283007
CIE _{Lab}	93.58, -4.55, -9.78
CIE _{LCh}	94, 10.781, 245.056
Yxy	84.2919, 0.2894, 0.3135
Android (android.graphics.Color)	4292473087 (0xFFD9F0FF)
YUV	234.8330, 9.9423, -15.6395
Hunter-Lab	91.8106, -9.3589, -4.6869

Details

The XYZ color **77.8254, 84.2919, 106.7759** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6206, 83.9817, 77.5029**, and the grayscale version is **78.7774, 82.8800, 90.2563**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2338, 46.0396, 60.0866** is the 20% darker color. If you saturate the color by 10%, you get **67.9432, 74.9230, 105.4883**, and if you desaturate by 10%, it is **89.0475, 94.5999, 108.1740**.

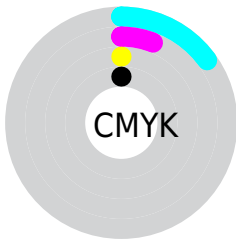
Distribution



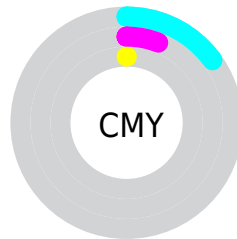
- Red (85%)
- Green (94%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8254, 84.2919, 106.7759 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 77.8254, 84.2919, 106.7759 by changing the saturation by 10% instead.

■ 77.8254, 84.2919,
106.7759

■ 77.8254, 84.2919,
106.7759

476.4226,
509.2821, 603.1365

■ 58.2328, 63.2565,
81.3230

129.2706,
139.3834, 172.5709

■ 42.2399, 46.0487,
60.2751

161.8540,
174.2083, 213.7501

■ 29.4811, 32.2843,
43.2137

199.4984,
214.3985, 261.0084

■ 19.5912, 21.5787,
29.7201

242.5691,
260.3383, 314.7644

■ 12.2047, 13.5477,
19.3760

291.4315,
312.4121, 375.4367

■ 6.9565, 7.8068,
11.7627

346.4510,

■ 3.4810, 3.9715,

371.0045, 443.4438

6.4618

407.9929,
436.4996, 519.2042

■ 1.4129, 1.6577,
3.0545

■ 0.2654, 0.3960,
1.1226

■ 77.8254, 84.2919,
106.7759

■ 77.8254, 84.2919,
106.7759

■ 67.9432, 74.9230,
105.4883

■ 89.0475, 94.5999,
108.1740

■ 59.3379, 66.4502,
104.3065

95.0500, 100.0000,
108.9000

■ 51.9513, 58.8416,
103.2272

■ 45.7177, 52.0592,
102.2466

■ 40.5646, 46.0615,
101.3605

■ 36.4105, 40.8021,
100.5643

■ 33.1611, 36.2279,
99.8526

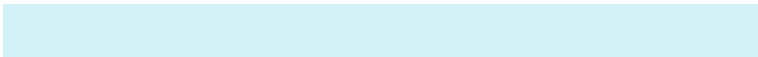
■ 30.7005, 32.2745,
99.2192

■ 29.6667, 30.4534,
98.9222

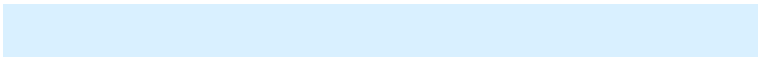
Harmonies

Analogous

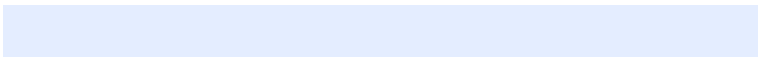
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7093, 84.2919, 101.1032



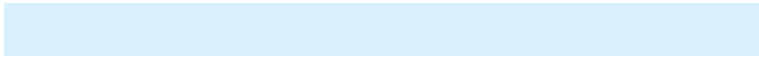
77.8254, 84.2919, 106.7759



80.6014, 84.2919, 108.3370

Triad

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



77.8254, 84.2919, 106.7759



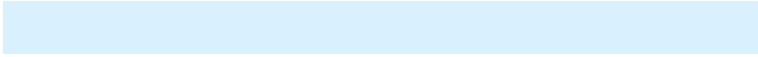
85.7070, 84.2919, 90.4018



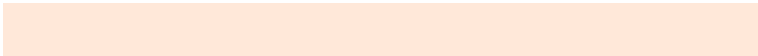
77.0069, 84.2919, 79.5092

Complementary

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



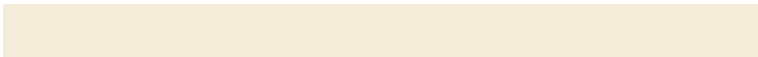
77.8254, 84.2919, 106.7759



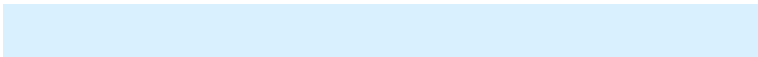
82.6206, 83.9817, 77.5029

Split Complementary

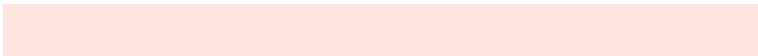
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.6344, 84.2919, 77.0013



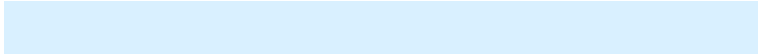
77.8254, 84.2919, 106.7759



84.6923, 84.2919, 83.0475

Square

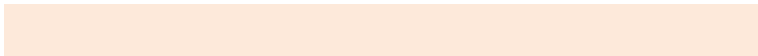
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



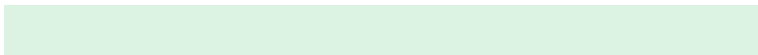
77.8254, 84.2919, 106.7759



85.1951, 84.2919, 98.5666



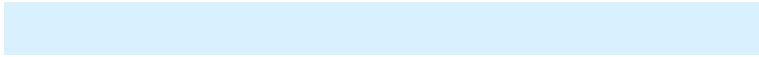
82.4530, 84.2919, 78.2575



75.2447, 84.2919, 85.3114

Rectangle

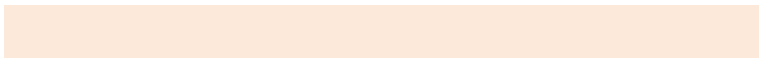
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8254, 84.2919, 106.7759



82.4629, 84.2919, 106.7616



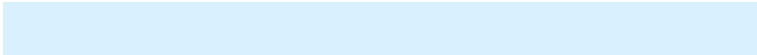
82.4530, 84.2919, 78.2575



77.8159, 84.2919, 78.2691

Sweetspot

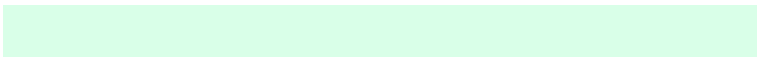
The Sweet Spot groups the original color and five complimentary colors.



77.8276, 84.2953, 106.7764



90.1257, 95.5751, 108.3055



78.8802, 92.0738, 89.6374



19.0978, 20.2826, 23.1583



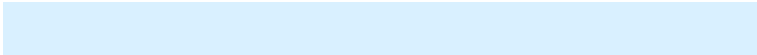
0.0000, 0.0000, 0.0000



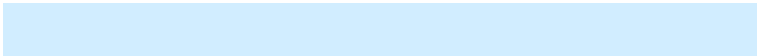
20.3446, 21.4041, 23.3091

Same Dimension

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



77.8276, 84.2953, 106.7764



74.6241, 81.2926, 106.3657



72.6376, 73.9153, 105.0464



17.9180, 19.2077, 23.0130



15.6513, 16.2121, 51.7389



1.6305, 1.7917, 5.0732

Inverse Universe

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



81.7824, 77.1786, 93.0286



79.3345, 73.0178, 89.9463



88.1268, 94.9940, 79.3383



18.4713, 18.1718, 21.0989



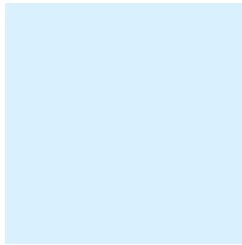
24.6882, 12.3646, 17.5405



2.4576, 1.2254, 1.9912

Previews

White Background



This preview shows how the XYZ color 77.8254, 84.2919, 106.7759 looks on a white background.

Color Contrast Check

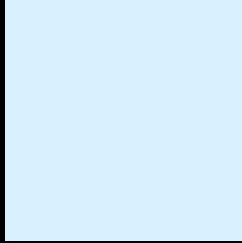
Large Text (above 18pt) WCAG AA × Fail

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 77.8254, 84.2919, 106.7759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

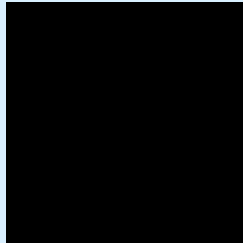
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

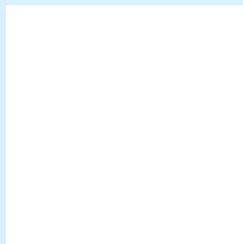
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8254, 84.2919, 106.7759

Background



This preview shows how black text looks on a background with the XYZ color 77.8254, 84.2919, 106.7759.



This preview shows how white text looks on a background with the XYZ color 77.8254, 84.2919,

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

77.8254, 84.2919, 106.7759

Protanopia

81.8711, 84.2778, 104.0476

Deuteranopia

85.0582, 83.7701, 106.2939



Tritanopia

78.7353, 84.3252, 106.7343

Trichromacy



Original Color

77.8254, 84.2919, 106.7759

Protanomaly

80.3269, 84.3182, 104.9699

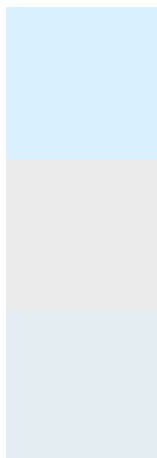
Deuteranomaly

82.3979, 84.0702, 106.4921

Tritanomaly

78.4317, 84.1686, 106.7201

Monochromacy



Original Color

77.8254, 84.2919, 106.7759

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3061, 83.4732, 95.9892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8254, 84.2919, 106.7759 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(217, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 240, 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(217, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8254, 84.2919, 106.7759 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(217, 240, 255) }
```


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

```
.border{ border-color:rgb(217, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(217, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8254, 84.2919, 106.7759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 240, 255) }
```

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

```
.background{ background-color: rgb(217,  
240, 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](#).

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