

Converting Colors

XYZ(77.7674, 85.8584,
106.3222)

Have a look what the booklet for
XYZ(77.7674, 85.8584, 106.3222)
contains.

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Color

**XYZ(77.9716, 86.1533,
106.2856)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F4FE
RGB	214, 244, 254
RGB Percent	84%, 96%, 100%
CMY	0.1608, 0.0431, 0.0039
CMYK	0.16, 0.04, 0.00, 0.00
HSL	195°, 95%, 92%
HSV	195°, 16%, 100%
XYZ	77.9716, 86.1533, 106.2856
YIQ	236.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

Format	Color
R _Y B	214, 231, 254
Decimal	14087422
CIE Lab	94.38, -7.71, -8.09
CIE LCh	94, 11.172, 226.396
Yxy	86.1533, 0.2883, 0.3186
Android (android.graphics.Color)	4292277502 (0xFFD6F4FE)
YUV	236.1700, 8.7902, -19.4431
Hunter-Lab	92.8188, -12.4856, -2.9190

Details

The XYZ color **77.9716, 86.1533, 106.2856** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.6668, 79.2368, 74.7152**, and the grayscale version is **79.8074, 83.9636, 91.4364**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3593, 47.3686, 59.7338** is the 20% darker color. If you saturate the color by 10%, you get **69.2522, 78.8736, 105.3414**, and if you desaturate by 10%, it is **87.9177, 94.1676, 107.3097**.

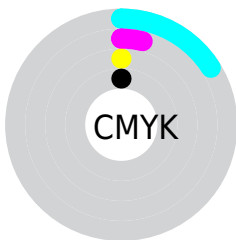
Distribution



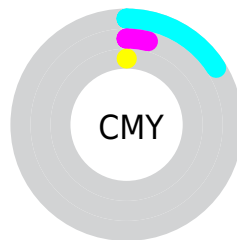
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9716, 86.1533, 106.2856 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 77.9716, 86.1533, 106.2856 by changing the saturation by 10% instead.

77.9716, 86.1533,
106.2856

77.9716, 86.1533,
106.2856

476.9117,
515.4366, 601.5803

58.3534, 64.7947,
80.9141

129.4757,
141.9834, 171.8955

42.3371, 47.2947,
59.9403

162.0922,
177.2237, 212.9710

29.5576, 33.2687,
42.9455

199.7722,
217.8601, 260.1183

19.6495, 22.3323,
29.5113

242.8810,
264.2769, 313.7559

12.2473, 14.1013,
19.2191

291.7840,
316.8586, 374.3024

6.9857, 8.1912,
11.6503

346.8465,

3.4994, 4.2175,

375.9895, 442.1763

6.3864

408.4340,
442.0540, 517.7960

■ 1.4230, 1.7960,
3.0088

■ 0.2725, 0.4847,
1.0992

■ 77.9716, 86.1533,
106.2856

■ 77.9716, 86.1533,
106.2856

■ 69.2522, 78.8736,
105.3414

■ 87.9177, 94.1676,
107.3097

■ 61.6979, 72.2890,
104.4686

94.8896, 99.9359,
108.0556

■ 55.2530, 66.3720,
103.6662

■ 49.8539, 61.0888,
102.9310

■ 45.4303, 56.4023,
102.2596

■ 41.9030, 52.2704,
101.6479

■ 39.1792, 48.6444,
101.0916

■ 37.1443, 45.4641,
100.5850

■ 36.4167, 44.2099,
100.3813

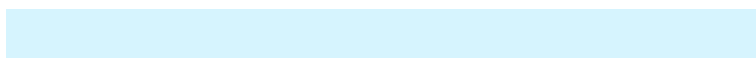
Harmonies

Analogous

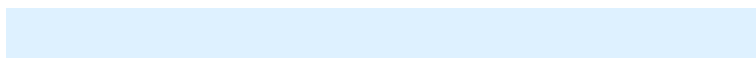
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4756, 86.1533, 98.5475



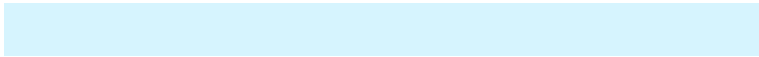
77.9716, 86.1533, 106.2856



80.5367, 86.1533, 110.7979

Triad

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



77.9716, 86.1533, 106.2856



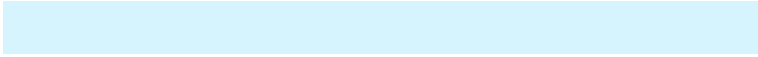
87.6220, 86.1533, 97.7463



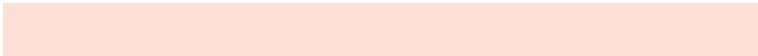
80.2685, 86.1533, 78.8326

Complementary

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



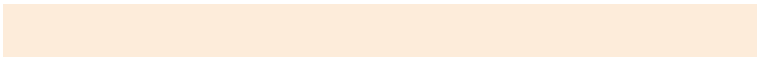
77.9716, 86.1533, 106.2856



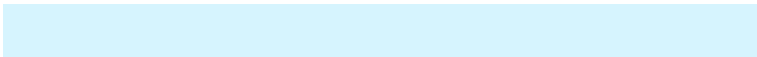
79.6668, 79.2368, 74.7152

Split Complementary

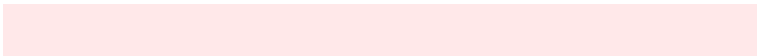
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2506, 86.1533, 78.6472



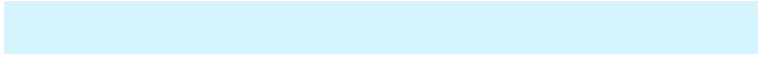
77.9716, 86.1533, 106.2856



87.5460, 86.1533, 89.2197

Square

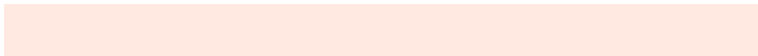
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



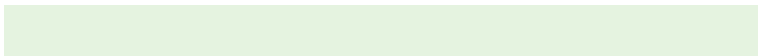
77.9716, 86.1533, 106.2856



86.1349, 86.1533, 105.6683



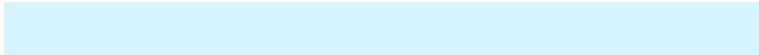
85.9295, 86.1533, 82.3442



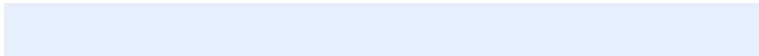
77.7794, 86.1533, 82.8670

Rectangle

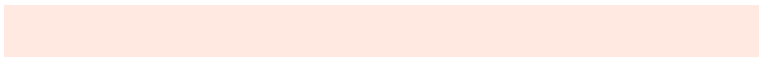
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



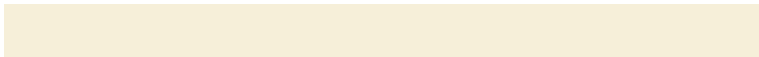
77.9716, 86.1533, 106.2856



82.5304, 86.1533, 111.2015



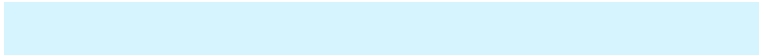
85.9295, 86.1533, 82.3442



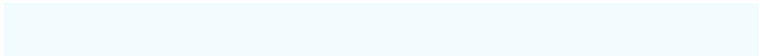
81.2452, 86.1533, 78.3269

Sweetspot

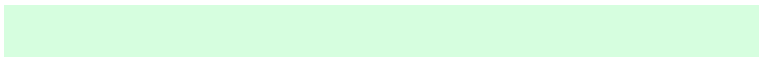
The Sweet Spot groups the original color and five complimentary colors.



77.9741, 86.1569, 106.2875



89.5057, 95.6453, 108.3517



76.5391, 90.5269, 83.4888



18.9967, 20.3443, 23.1756



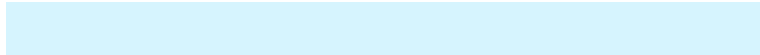
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.9741, 86.1569, 106.2875



75.6748, 84.4571, 106.9211



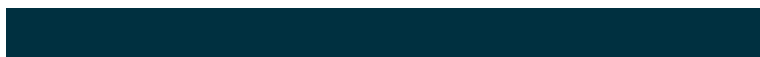
72.4576, 75.1238, 104.4487



18.1479, 19.6673, 23.0896



19.3223, 23.5542, 52.9626



1.9678, 2.4664, 5.1856

Inverse Universe

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



81.2507, 75.6974, 95.9208



79.6053, 72.1324, 94.4356



85.1625, 90.2282, 76.5471



18.5873, 18.2182, 21.7097



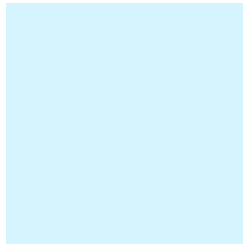
26.5412, 13.1058, 27.2981



2.6279, 1.2935, 2.8878

Previews

White Background



This preview shows how the XYZ color 77.9716, 86.1533, 106.2856 looks on a white background.

Color Contrast Check

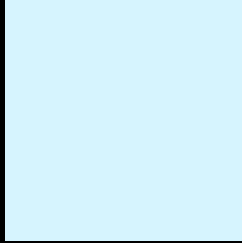
Large Text (above 18pt) WCAG AA × Fail

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 77.9716, 86.1533, 106.2856 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 77.9716, 86.1533, 106.2856

Background



This preview shows how black text looks on a background with the XYZ color 77.9716, 86.1533, 106.2856.



This preview shows how white text looks on a background with the XYZ color 77.9716, 86.1533,

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

77.9716, 86.1533, 106.2856

Protanopia

83.1361, 85.8212, 102.6259

Deuteranopia

87.0515, 85.6287, 106.5476



Tritanopia

79.9367, 85.8186, 106.9593

Trichromacy



Original Color

77.9716, 86.1533, 106.2856

Protanomaly

81.2058, 86.1082, 103.6073

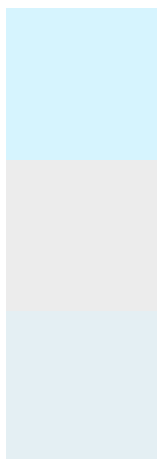
Deuteranomaly

83.3053, 85.3880, 106.6986

Tritanomaly

79.3173, 85.9399, 107.0153

Monochromacy



Original Color

77.9716, 86.1533, 106.2856

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.0391, 84.6980, 96.9766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9716, 86.1533, 106.2856 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(214, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(214, 244, 254)  
}
```

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(214, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 244, 254) }
```

Border

The CSS property to change the border of an element to XYZ 77.9716, 86.1533, 106.2856 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(214, 244, 254) }
```


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

```
.border{ border-color:rgb(214, 244, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 244, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 244, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 244, 254);  
box-shadow:4px 4px 4px 4px rgb(214, 244,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9716, 86.1533, 106.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 244, 254) }
```

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

```
.background{ background-color: rgb(214,  
244, 254) }
```

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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