

Converting Colors

XYZ(76.0700, 84.1843,
106.8476)

Have a look what the booklet for
XYZ(76.0700, 84.1843, 106.8476)
contains.

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Color

**XYZ(76.0966, 84.2796,
106.8646)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F2FF
RGB	209, 242, 255
RGB Percent	82%, 95%, 100%
CMY	0.1804, 0.0510, 0.0000
CMYK	0.18, 0.05, 0.00, 0.00
HSL	197°, 100%, 91%
HSV	197°, 18%, 100%
XYZ	76.0966, 84.2796, 106.8646
YIQ	233.6150, -23.8410, -2.9530

Conversions

Conversions Part 2

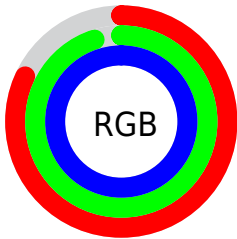
Format	Color
R_{YB}	209, 228, 255
Decimal	13759231
CIE _{Lab}	93.57, -8.01, -9.84
CIE _{LCh}	94, 12.690, 230.841
Yxy	84.2796, 0.2847, 0.3154
Android (android.graphics.Color)	4291949311 (0xFFD1F2FF)
YUV	233.6150, 10.5428, -21.5874
Hunter-Lab	91.8039, -12.6976, -4.7539

Details

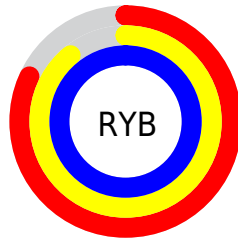
The XYZ color **76.0966, 84.2796, 106.8646** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.8695, 78.1047, 71.2420**, and the grayscale version is **77.8534, 81.9078, 89.1976**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0784, 46.0651, 60.1525** is the 20% darker color. If you saturate the color by 10%, you get **67.3496, 76.6518, 105.8533**, and if you desaturate by 10%, it is **86.0873, 92.6783, 107.9592**.

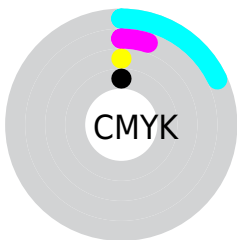
Distribution



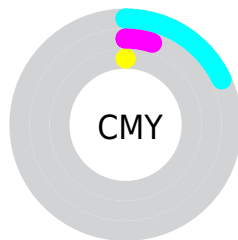
- Red (82%)
- Green (95%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0966, 84.2796, 106.8646 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 76.0966, 84.2796, 106.8646 by changing the saturation by 10% instead.

76.0966, 84.2796,
106.8646

76.0966, 84.2796,
106.8646

470.6176,
509.2413, 603.4178

56.8091, 63.2463,
81.3970

126.8431,
139.3662, 172.6930

41.0915, 46.0405,
60.3357

159.0327,
174.1884, 213.8909

28.5786, 32.2778,
43.2622

196.2538,
214.3755, 261.1693

18.9049, 21.5738,
29.7580

238.8716,
260.3122, 314.9468

11.7052, 13.5440,
19.4045

287.2515,
312.3827, 375.6418

6.6140, 7.8042,
11.7831

341.7589,

3.2661, 3.9699,

370.9714, 443.6729

6.4754

402.7592,
436.4628, 519.4587

■ 1.2960, 1.6568,
3.0628

■ 0.1802, 0.3954,
1.1268

■ 76.0966, 84.2796,
106.8646

■ 76.0966, 84.2796,
106.8646

■ 67.3496, 76.6518,
105.8533

■ 86.0873, 92.6783,
107.9592

■ 59.7837, 69.7546,
104.9208

95.0500, 100.0000,
108.9000

■ 53.3409, 63.5590,
104.0645

■ 47.9555, 58.0295,
103.2810

■ 43.5542, 53.1269,
102.5667

■ 40.0540, 48.8068,
101.9173

■ 37.3570, 45.0172,
101.3280

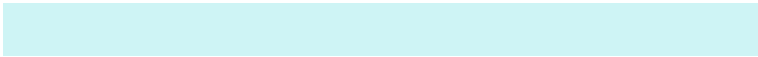
■ 35.3306, 41.6882,
100.7923

■ 34.9751, 41.0702,
100.6917

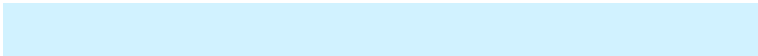
Harmonies

Analogous

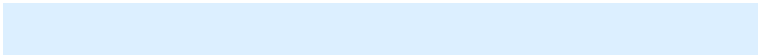
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2210, 84.2796, 98.5036



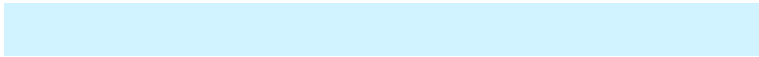
76.0966, 84.2796, 106.8646



79.0818, 84.2796, 111.2599

Triad

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



76.0966, 84.2796, 106.8646



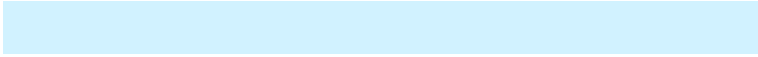
86.6504, 84.2796, 94.7414



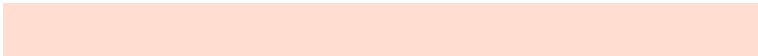
77.8299, 84.2796, 75.5461

Complementary

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



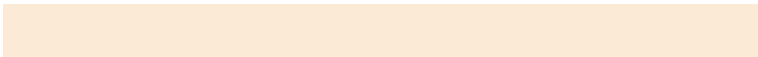
76.0966, 84.2796, 106.8646



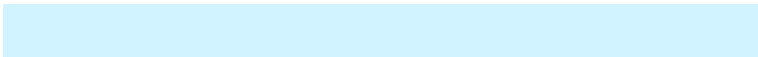
78.8695, 78.1047, 71.2420

Split Complementary

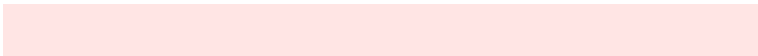
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1375, 84.2796, 74.6937



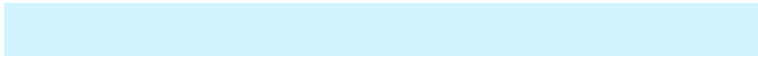
76.0966, 84.2796, 106.8646



86.2925, 84.2796, 85.3432

Square

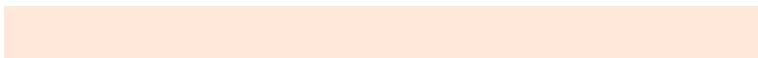
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



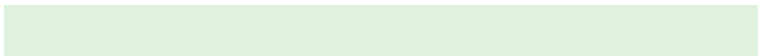
76.0966, 84.2796, 106.8646



85.2169, 84.2796, 103.9459



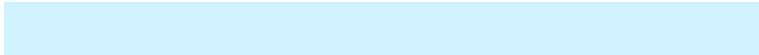
84.2522, 84.2796, 78.1613



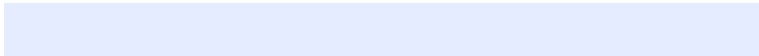
75.2022, 84.2796, 80.5770

Rectangle

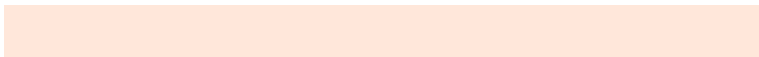
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



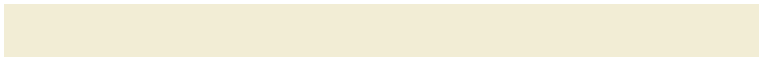
76.0966, 84.2796, 106.8646



81.3258, 84.2796, 111.1529



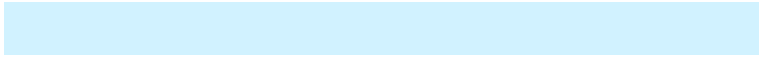
84.2522, 84.2796, 78.1613



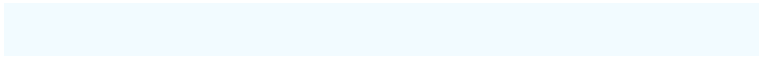
78.8970, 84.2796, 74.7759

Sweetspot

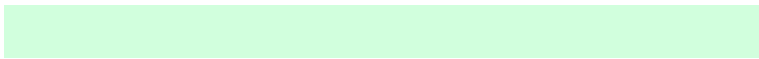
The Sweet Spot groups the original color and five complimentary colors.



76.0988, 84.2830, 106.8651



89.3755, 95.3848, 108.3083



75.1421, 90.3104, 82.0655



18.9650, 20.2809, 23.1650



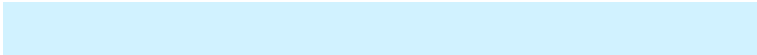
0.0000, 0.0000, 0.0000



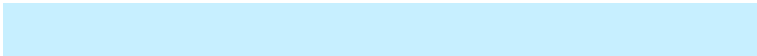
20.3446, 21.4041, 23.3091

Same Dimension

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



76.0988, 84.2830, 106.8651



72.4874, 81.1699, 106.4546



69.8689, 71.8232, 104.7885



18.0957, 19.5630, 23.0722



18.4084, 21.7264, 52.6580



1.8852, 2.3010, 5.1581

Inverse Universe

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



80.0688, 73.2732, 93.9315



77.2427, 68.3018, 90.8908



85.1801, 90.7259, 73.3455



18.5610, 18.2077, 21.5711



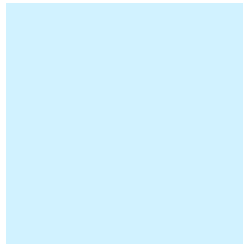
26.0799, 12.9213, 24.8690



2.5862, 1.2768, 2.6681

Previews

White Background



This preview shows how the XYZ color 76.0966, 84.2796, 106.8646 looks on a white background.

Color Contrast Check

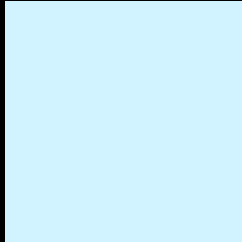
Large Text (above 18pt) WCAG AA × Fail

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 76.0966, 84.2796, 106.8646 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 76.0966, 84.2796, 106.8646

Background



This preview shows how black text looks on a background with the XYZ color 76.0966, 84.2796, 106.8646.



This preview shows how white text looks on a background with the XYZ color 76.0966, 84.2796,

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

76.0966, 84.2796, 106.8646

Protanopia

81.7130, 84.2146, 103.2151

Deuteranopia

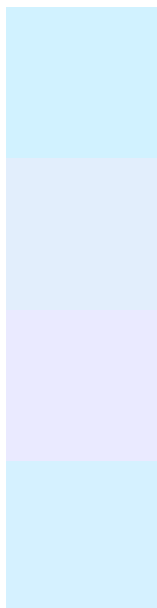
85.0582, 83.7701, 106.2939



Tritanopia

77.5290, 84.1391, 106.7620

Trichromacy



Original Color

76.0966, 84.2796, 106.8646

Protanomaly

79.5093, 84.3461, 104.1853

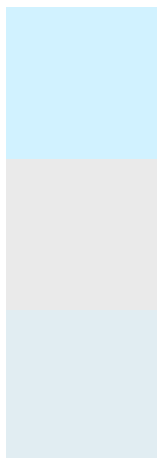
Deuteranomaly

81.4045, 83.5581, 106.4456

Tritanomaly

76.9459, 84.2767, 106.8193

Monochromacy



Original Color

76.0966, 84.2796, 106.8646

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.3625, 82.9867, 95.9450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0966, 84.2796, 106.8646 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(209, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 242, 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(209, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.0966, 84.2796, 106.8646 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(209, 242, 255) }
```


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

```
.border{ border-color:rgb(209, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0966, 84.2796, 106.8646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 242, 255) }
```

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

```
.background{ background-color: rgb(209,  
242, 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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