

Converting Colors

XYZ(76.3821, 83.3673,
106.6735)

Have a look what the booklet for
XYZ(76.3821, 83.3673, 106.6735)
contains.

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Color

**XYZ(76.3615, 83.5372,
106.7074)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F0FF
RGB	212, 240, 255
RGB Percent	83%, 94%, 100%
CMY	0.1686, 0.0588, 0.0000
CMYK	0.17, 0.06, 0.00, 0.00
HSL	201°, 100%, 92%
HSV	201°, 17%, 100%
XYZ	76.3615, 83.5372, 106.7074
YIQ	233.3380, -21.5030, -1.2710

Conversions

Conversions Part 2

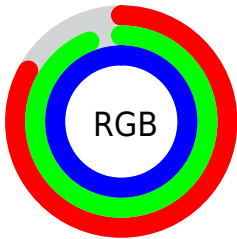
Format	Color
R _Y B	212, 229, 255
Decimal	13955327
CIE Lab	93.25, -6.08, -10.30
CIE LCh	93, 11.961, 239.425
Yxy	83.5372, 0.2864, 0.3133
Android (android.graphics.Color)	4292145407 (0xFFD4F0FF)
YUV	233.3380, 10.6794, -18.7134
Hunter-Lab	91.3987, -10.8151, -5.2416

Details

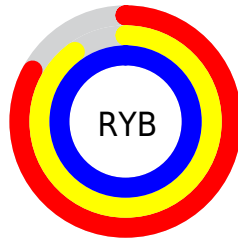
The XYZ color **76.3615, 83.5372, 106.7074** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.5925, 80.9506, 73.6665**, and the grayscale version is **77.6422, 81.6857, 88.9557**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2382, 45.5263, 60.0401** is the 20% darker color. If you saturate the color by 10%, you get **67.0293, 74.9367, 105.5392**, and if you desaturate by 10%, it is **86.9873, 92.9995, 107.9737**.

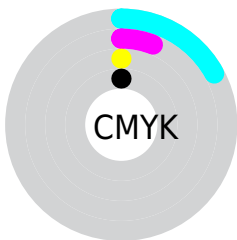
Distribution



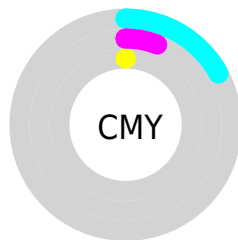
- Red (83%)
- Green (94%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3615, 83.5372, 106.7074 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 76.3615, 83.5372, 106.7074 by changing the saturation by 10% instead.

■ 76.3615, 83.5372,
106.7074

■ 76.3615, 83.5372,
106.7074

471.5097,
506.7751, 602.9192

■ 57.0271, 62.6334,
81.2659

127.2154,
138.3276, 172.4765

■ 41.2672, 45.5447,
60.2283

159.4656,
172.9830, 213.6412

■ 28.7165, 31.8867,
43.1762

196.7518,
212.9911, 260.8841

■ 19.0097, 21.2750,
29.6910

239.4393,
258.7362, 314.6236

■ 11.7813, 13.3251,
19.3541

287.8935,
310.6028, 375.2783

■ 6.6661, 7.6528,
11.7470

342.4797,

■ 3.2986, 3.8736,

368.9752, 443.2668

6.4512

403.5633,
434.2378, 519.0076

■ 1.3136, 1.6031,
3.0481

■ 0.1934, 0.3597,
1.1193

■ 76.3615, 83.5372,
106.7074

■ 76.3615, 83.5372,
106.7074

■ 67.0293, 74.9367,
105.5392

■ 86.9873, 92.9995,
107.9737

■ 58.9280, 67.1563,
104.4644

95.0500, 100.0000,
108.9000

■ 51.9991, 60.1654,
103.4802

■ 46.1767, 53.9270,
102.5829

■ 41.3877, 48.4008,
101.7687

■ 37.5493, 43.5410,
101.0329

■ 34.5649, 39.2947,
100.3706

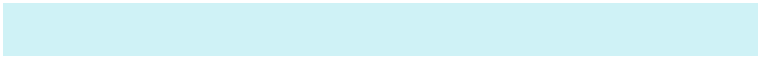
■ 32.3123, 35.5959,
99.7754

■ 31.6990, 34.5180,
99.5997

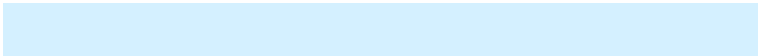
Harmonies

Analogous

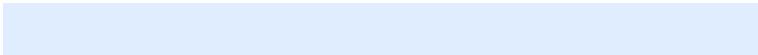
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2453, 83.5372, 99.7393



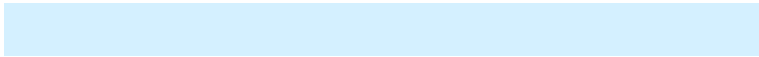
76.3615, 83.5372, 106.7074



79.3389, 83.5372, 109.4088

Triad

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



76.3615, 83.5372, 106.7074



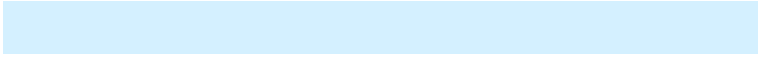
85.6048, 83.5372, 91.1318



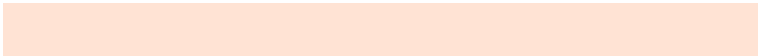
76.4640, 83.5372, 76.6843

Complementary

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



76.3615, 83.5372, 106.7074



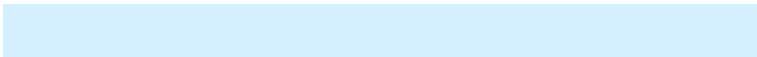
80.5925, 80.9506, 73.6665

Split Complementary

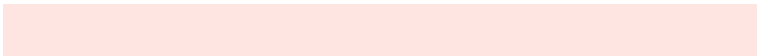
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4603, 83.5372, 74.7074



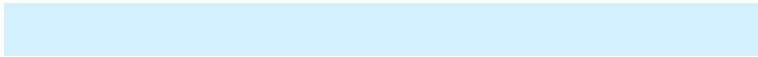
76.3615, 83.5372, 106.7074



84.7871, 83.5372, 82.7075

Square

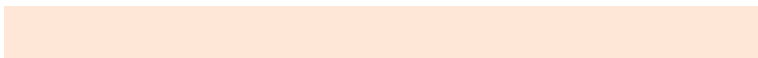
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



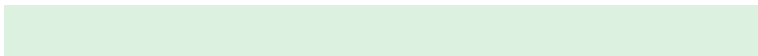
76.3615, 83.5372, 106.7074



84.7237, 83.5372, 100.0599



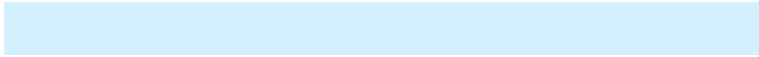
82.5172, 83.5372, 76.8396



74.3034, 83.5372, 82.4252

Rectangle

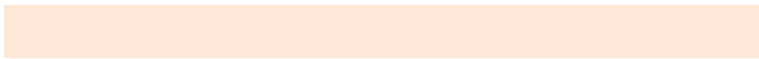
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3615, 83.5372, 106.7074



81.4289, 83.5372, 108.2980



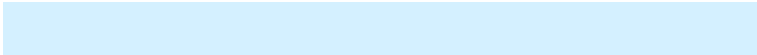
82.5172, 83.5372, 76.8396



77.4043, 83.5372, 75.5750

Sweetspot

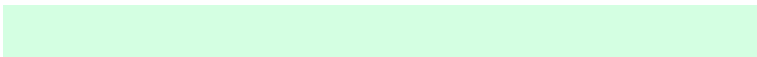
The Sweet Spot groups the original color and five complimentary colors.



76.3637, 83.5405, 106.7079



89.1117, 94.8572, 108.2203



76.6857, 91.0269, 85.7210



18.9008, 20.1525, 23.1436



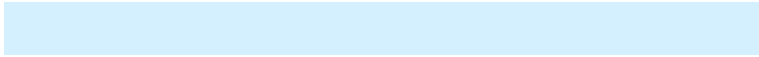
0.0000, 0.0000, 0.0000



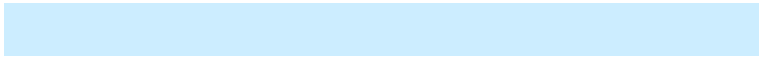
20.3446, 21.4041, 23.3091

Same Dimension

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



76.3637, 83.5405, 106.7079



73.2980, 80.7498, 106.3308



70.5778, 71.9687, 104.7792



17.9904, 19.3525, 23.0372



16.7086, 18.3268, 52.0914



1.7293, 1.9892, 5.1061

Inverse Universe

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



80.5131, 74.6399, 92.6054



78.1502, 70.5727, 89.7877



86.6403, 93.0462, 75.6824



18.5078, 18.1864, 21.2913



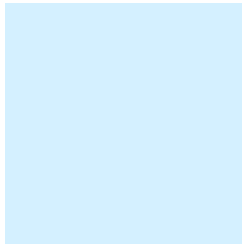
25.2219, 12.5781, 20.3510



2.5075, 1.2454, 2.2537

Previews

White Background



This preview shows how the XYZ color 76.3615, 83.5372, 106.7074 looks on a white background.

Color Contrast Check

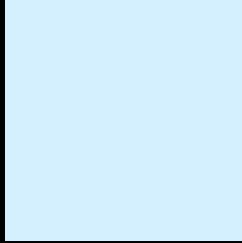
Large Text (above 18pt) WCAG AA × Fail

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 76.3615, 83.5372, 106.7074 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

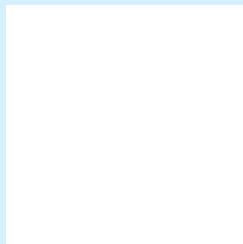
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3615, 83.5372, 106.7074

Background



This preview shows how black text looks on a background with the XYZ color 76.3615, 83.5372, 106.7074.

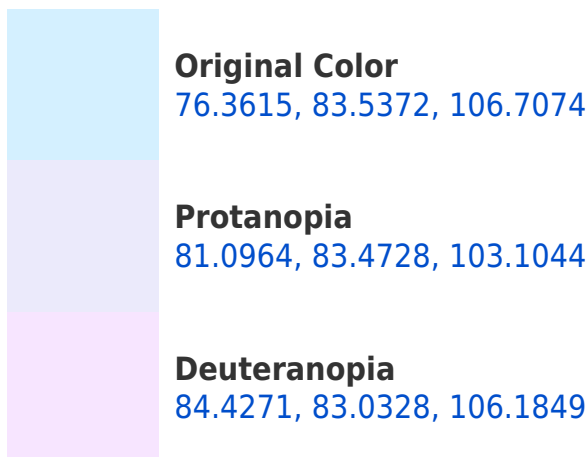


This preview shows how white text looks on a background with the XYZ color 76.3615, 83.5372,

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

77.2354, 83.5519, 106.6641

Trichromacy



Original Color

76.3615, 83.5372, 106.7074

Protanomaly

79.2447, 83.3501, 104.0070

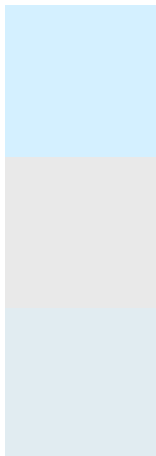
Deuteranomaly

81.1206, 82.9903, 106.3509

Tritanomaly

76.9408, 83.4001, 106.6504

Monochromacy



Original Color

76.3615, 83.5372, 106.7074

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.9240, 82.3493, 95.0598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3615, 83.5372, 106.7074 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.3615, 83.5372, 106.7074 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, 240, 255) }
```


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

```
.border{ border-color:rgb(212, 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(212, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3615, 83.5372, 106.7074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 240, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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