

Converting Colors

XYZ(77.1289, 83.1763,
106.5972)

Have a look what the booklet for
XYZ(77.1289, 83.1763, 106.5972)
contains.

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Color

**XYZ(76.9434, 82.9680,
106.5668)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D8EEFF |
| RGB | 216, 238, 255 |
| RGB Percent | 85%, 93%, 100% |
| CMY | 0.1529, 0.0666, 0.0000 |
| CMYK | 0.15, 0.07, 0.00, 0.00 |
| HSL | 206°, 100%, 92% |
| HSV | 206°, 15%, 100% |
| XYZ | 76.9434, 82.9680, 106.5668 |
| YIQ | 233.3600, -18.5690, 0.6230 |

Conversions

Conversions Part 2

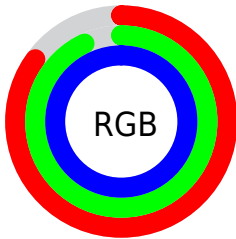
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 216, 230, 255 |
| Decimal | 14216959 |
| CIE Lab | 93.00, -3.83, -10.64 |
| CIE LCh | 93, 11.310, 250.180 |
| Yxy | 82.9680, 0.2887, 0.3114 |
| Android (android.graphics.Color) | 4292407039 (0xFFD8EEFF) |
| YUV | 233.3600, 10.6685, -15.2247 |
| Hunter-Lab | 91.0868, -8.6182, -5.6055 |

Details

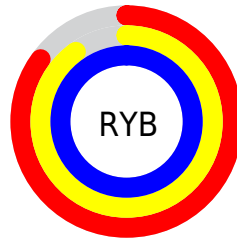
The XYZ color **76.9434, 82.9680, 106.5668** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7731, 84.4942, 76.9137**, and the grayscale version is **77.6573, 81.7015, 88.9729**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6189, 45.1102, 59.9397** is the 20% darker color. If you saturate the color by 10%, you get **66.8506, 73.1113, 105.1962**, and if you desaturate by 10%, it is **88.4094, 93.8335, 108.0597**.

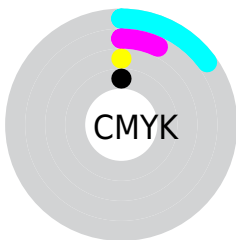
Distribution



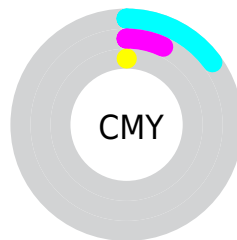
- Red (85%)
- Green (93%)
- Blue (100%)



- Red (85%)
- Yellow (90%)
- Blue (100%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9434, 82.9680, 106.5668 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 76.9434, 82.9680, 106.5668 by changing the saturation by 10% instead.

■ 76.9434, 82.9680,
106.5668

■ 76.9434, 82.9680,
106.5668

473.4659,
504.8799, 602.4731

■ 57.5062, 62.1638,
81.1486

128.0328,
137.5306, 172.2829

■ 41.6535, 45.1650,
60.1323

160.4158,
172.0578, 213.4179

■ 29.0200, 31.5874,
43.0993

197.8447,
211.9281, 260.6289

■ 19.2403, 21.0466,
29.6310

240.6849,
257.5259, 314.3344

■ 11.9491, 13.1580,
19.3090

289.3018,
309.2356, 374.9531

■ 6.7810, 7.5375,
11.7147

344.0607,

■ 3.3706, 3.8004,

367.4415, 442.9034

6.4296

405.3269,
432.5282, 518.6039

■ 1.3526, 1.5626,
3.0350

■ 0.2221, 0.3322,
1.1125

■ 76.9434, 82.9680,
106.5668

■ 76.9434, 82.9680,
106.5668

■ 66.8506, 73.1113,
105.1962

■ 88.4094, 93.8335,
108.0597

■ 58.0670, 64.2185,
103.9427

95.0500, 100.0000,
108.9000

■ 50.5333, 56.2558,
102.8028

■ 44.1825, 49.1831,
101.7724

■ 38.9408, 42.9564,
100.8468

■ 34.7252, 37.5271,
100.0210

■ 31.4394, 32.8394,
99.2893

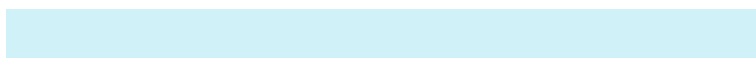
■ 28.9655, 28.8259,
98.6450

■ 28.0041, 27.1281,
98.3680

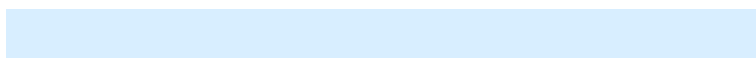
Harmonies

Analogous

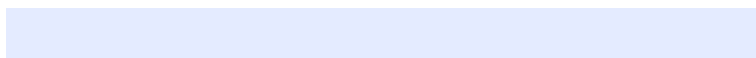
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5871, 82.9680, 101.2749



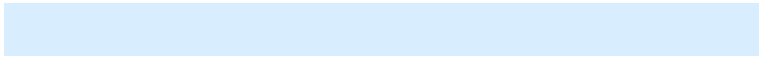
76.9434, 82.9680, 106.5668



79.8694, 82.9680, 107.3607

Triad

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



76.9434, 82.9680, 106.5668



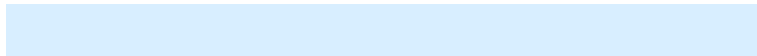
84.5977, 82.9680, 87.4859



75.2410, 82.9680, 78.4413

Complementary

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



76.9434, 82.9680, 106.5668



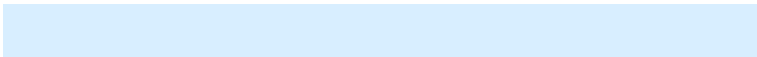
82.7731, 84.4942, 76.9137

Split Complementary

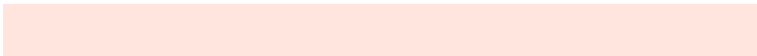
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8563, 82.9680, 75.2171



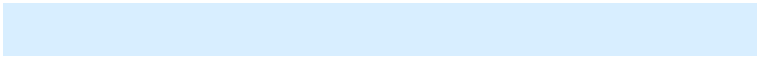
76.9434, 82.9680, 106.5668



83.2901, 82.9680, 80.2183

Square

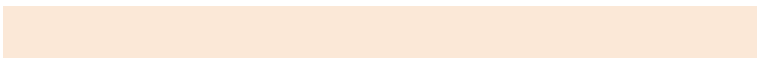
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



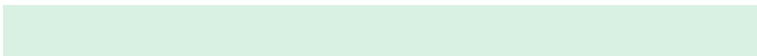
76.9434, 82.9680, 106.5668



84.3384, 82.9680, 95.9816



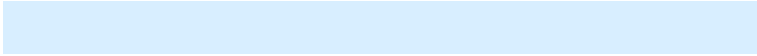
80.8053, 82.9680, 75.8467



73.6214, 82.9680, 84.9201

Rectangle

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



76.9434, 82.9680, 106.5668



81.7563, 82.9680, 105.1832



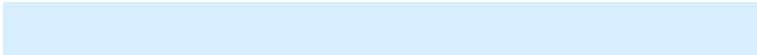
80.8053, 82.9680, 75.8467



76.0301, 82.9680, 76.9599

Sweetspot

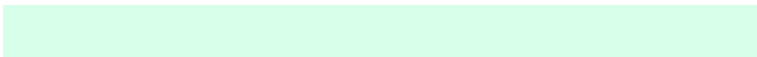
The Sweet Spot groups the original color and five complimentary colors.



76.9456, 82.9713, 106.5673



88.7668, 94.1675, 108.1054



78.7735, 91.9968, 90.6222



18.8169, 19.9847, 23.1156



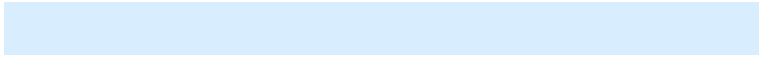
0.0000, 0.0000, 0.0000



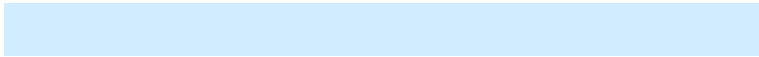
20.3446, 21.4041, 23.3091

Same Dimension

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



76.9456, 82.9713, 106.5673



74.0803, 80.2049, 106.1844



71.5974, 72.2750, 104.7846



17.8535, 19.0785, 22.9915



14.7840, 14.4777, 51.4499



1.5482, 1.6272, 5.0457

Inverse Universe

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



81.2298, 76.5463, 91.3865



79.0600, 72.9080, 88.5009



88.5712, 96.0904, 78.8464



18.4387, 18.1588, 20.9272



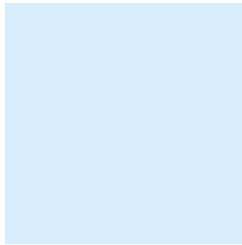
24.2505, 12.1895, 15.2355



2.4161, 1.2088, 1.7725

Previews

White Background



This preview shows how the XYZ color 76.9434, 82.9680, 106.5668 looks on a white background.

Color Contrast Check

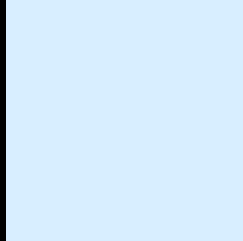
Large Text (above 18pt) WCAG AA × Fail

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 76.9434, 82.9680, 106.5668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

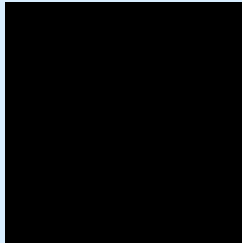
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

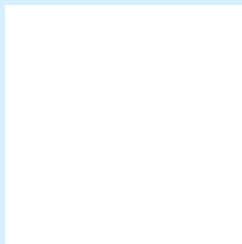
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9434, 82.9680, 106.5668

Background



This preview shows how black text looks on a background with the XYZ color 76.9434, 82.9680, 106.5668.



This preview shows how white text looks on a background with the XYZ color 76.9434, 82.9680,

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

76.9434, 82.9680, 106.5668

Protanopia

80.6413, 82.7985, 103.8269

Deuteranopia

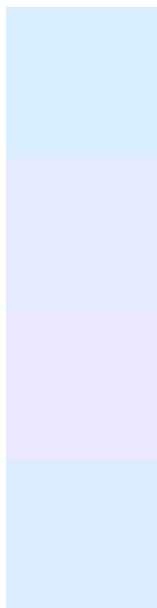
84.0753, 82.8515, 106.1684



Tritanopia

77.2476, 82.6938, 106.4979

Trichromacy



Original Color

76.9434, 82.9680, 106.5668

Protanomaly

79.1165, 82.8394, 104.7482

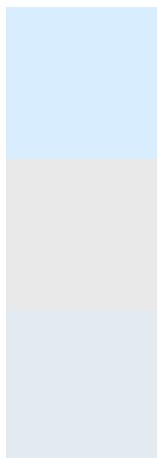
Deuteranomaly

81.1676, 82.5954, 106.2723

Tritanomaly

76.9495, 82.5401, 106.4839

Monochromacy



Original Color

76.9434, 82.9680, 106.5668

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2641, 82.0984, 94.9934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9434, 82.9680, 106.5668 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(216, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 238, 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(216, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.9434, 82.9680, 106.5668 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(216, 238, 255) }
```


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

```
.border{ border-color:rgb(216, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9434, 82.9680, 106.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 238, 255) }
```

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

```
.background{ background-color: rgb(216,  
238, 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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