

Converting Colors

XYZ(76.2020, 81.9172,
106.4031)

Have a look what the booklet for
XYZ(76.2020, 81.9172, 106.4031)
contains.

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Color

**XYZ(76.0698, 81.6580,
106.3600)**

Conversions

Conversions Part 1

Format	Color
Hex	D7ECFF
RGB	215, 236, 255
RGB Percent	84%, 93%, 100%
CMY	0.1569, 0.0745, 0.0000
CMYK	0.16, 0.07, 0.00, 0.00
HSL	208°, 100%, 92%
HSV	208°, 16%, 100%
XYZ	76.0698, 81.6580, 106.3600
YIQ	231.8870, -18.6150, 1.4570

Conversions

Conversions Part 2

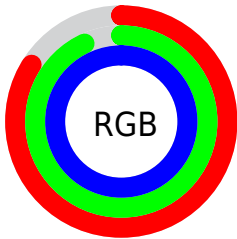
Format	Color
R _Y B	215, 229, 255
Decimal	14150911
CIE Lab	92.42, -3.12, -11.51
CIE LCh	92, 11.921, 254.832
Yxy	81.6580, 0.2880, 0.3092
Android (android.graphics.Color)	4292340991 (0xFFD7ECFF)
YUV	231.8870, 11.3947, -14.8099
Hunter-Lab	90.3648, -7.8757, -6.5294

Details

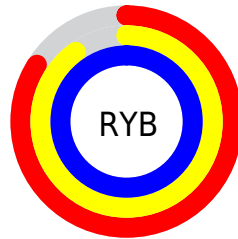
The XYZ color **76.0698, 81.6580, 106.3600** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9281, 85.0106, 76.3296**, and the grayscale version is **76.5466, 80.5330, 87.7004**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0115, 44.1933, 59.7947** is the 20% darker color. If you saturate the color by 10%, you get **65.7886, 71.3581, 104.9138**, and if you desaturate by 10%, it is **87.7588, 93.0389, 107.9407**.

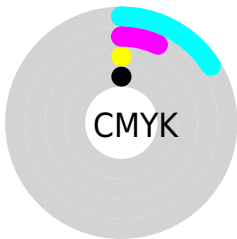
Distribution



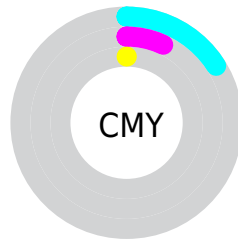
- Red (84%)
- Green (93%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0698, 81.6580, 106.3600 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 76.0698, 81.6580, 106.3600 by changing the saturation by 10% instead.

■ 76.0698, 81.6580,
106.3600

■ 76.0698, 81.6580,
106.3600

470.5273,
500.5030, 601.8166

■ 56.7870, 61.0837,
80.9762

126.8054,
135.6943, 171.9980

■ 41.0737, 44.2927,
59.9911

158.9889,
169.9251, 213.0893

■ 28.5646, 30.9007,
42.9862

196.2034,
209.4767, 260.2534

■ 18.8943, 20.5232,
29.5430

238.8141,
254.7338, 313.9090

■ 11.6975, 12.7760,
19.2429

287.1865,
306.0805, 374.4746

■ 6.6088, 7.2744,
11.6673

341.6860,

■ 3.2628, 3.6343,

363.9014, 442.3687

6.3978

402.6778,
428.5807, 518.0098

■ 1.2942, 1.4712,
3.0158

■ 0.1789, 0.2683,
1.1027

■ 76.0698, 81.6580,
106.3600

■ 76.0698, 81.6580,
106.3600

■ 65.7886, 71.3581,
104.9138

■ 87.7588, 93.0389,
107.9407

■ 56.8501, 62.0923,
103.5964

95.0500, 100.0000,
108.9000

■ 49.1937, 53.8244,
102.4041

■ 42.7508, 46.5117,
101.3322

■ 37.4462, 40.1079,
100.3757

■ 33.1953, 34.5613,
99.5292

■ 29.8997, 29.8131,
98.7864

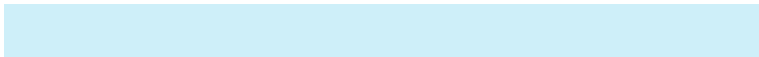
■ 27.4388, 25.7926,
98.1400

■ 26.5613, 24.2425,
97.8871

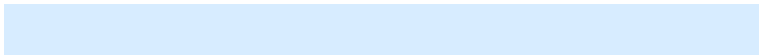
Harmonies

Analogous

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



73.4772, 81.6580, 101.4513



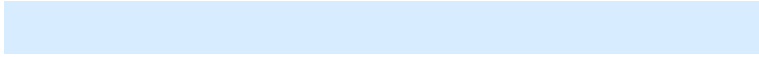
76.0698, 81.6580, 106.3600



79.1438, 81.6580, 106.3891

Triad

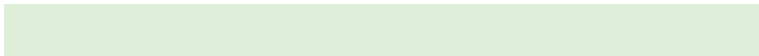
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0698, 81.6580, 106.3600



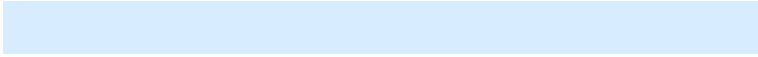
83.4976, 81.6580, 84.6282



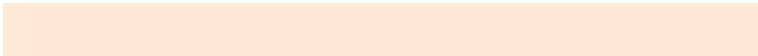
73.5010, 81.6580, 77.3861

Complementary

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



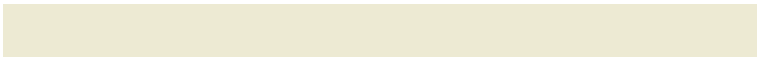
76.0698, 81.6580, 106.3600



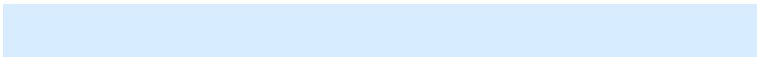
82.9281, 85.0106, 76.3296

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.



76.1030, 81.6580, 73.4615



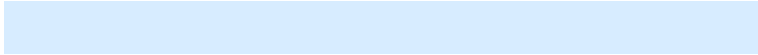
76.0698, 81.6580, 106.3600



81.9022, 81.6580, 77.4504

Square

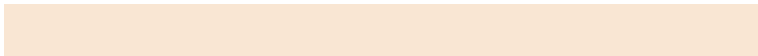
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



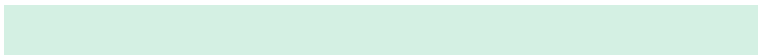
76.0698, 81.6580, 106.3600



83.4882, 81.6580, 93.4370



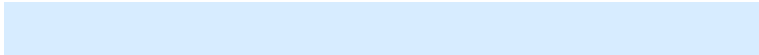
79.1779, 81.6580, 73.4843



72.0211, 81.6580, 84.5349

Rectangle

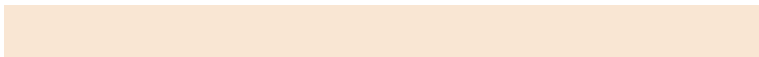
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0698, 81.6580, 106.3600



81.0555, 81.6580, 103.6174



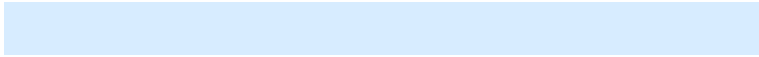
79.1779, 81.6580, 73.4843



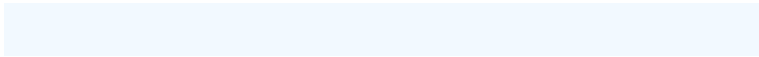
74.2703, 81.6580, 75.6677

Sweetspot

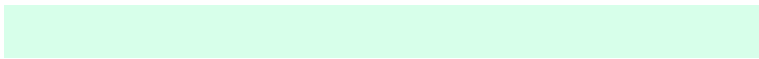
The Sweet Spot groups the original color and five complimentary colors.



76.0720, 81.6613, 106.3605



88.6125, 93.8589, 108.0539



78.5887, 91.8889, 91.1863



18.7794, 19.9097, 23.1031



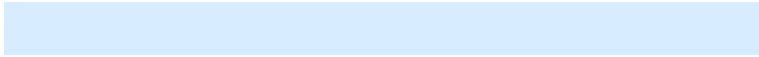
0.0000, 0.0000, 0.0000



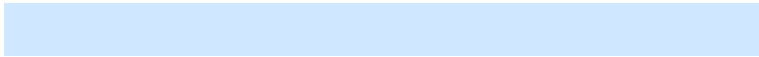
20.3446, 21.4041, 23.3091

Same Dimension

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



76.0720, 81.6613, 106.3605



72.5106, 78.1288, 105.8664



70.7170, 70.9514, 104.5755



17.7924, 18.9564, 22.9711



14.0295, 12.9687, 51.1984



1.4754, 1.4816, 5.0215

Inverse Universe

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



80.6821, 75.9186, 89.7621



78.0082, 71.4936, 86.0254



88.8422, 96.8387, 78.3009



18.4079, 18.1465, 20.7650



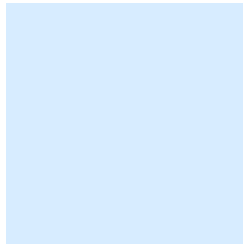
23.8697, 12.0372, 13.2300



2.3793, 1.1941, 1.5790

Previews

White Background



This preview shows how the XYZ color 76.0698, 81.6580, 106.3600 looks on a white background.

Color Contrast Check

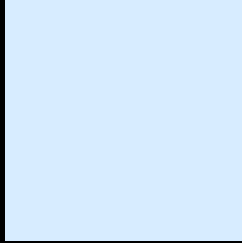
Large Text (above 18pt) WCAG AA × Fail

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 76.0698, 81.6580, 106.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

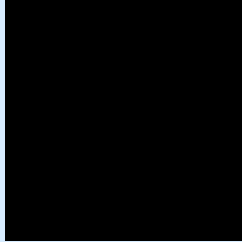
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

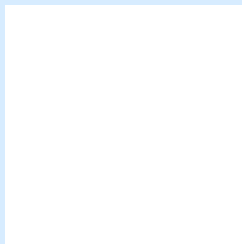
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.0698, 81.6580, 106.3600

Background



This preview shows how black text looks on a background with the XYZ color 76.0698, 81.6580, 106.3600.

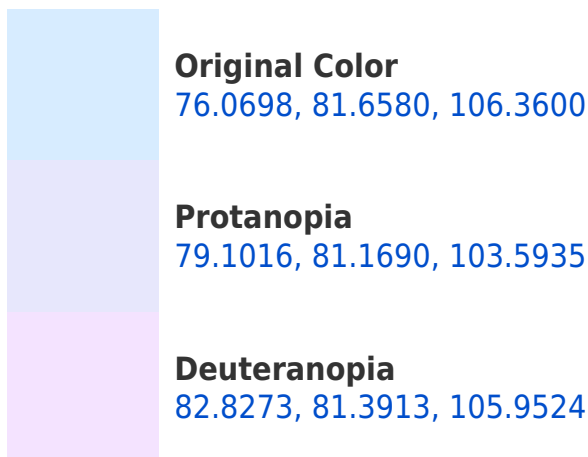


This preview shows how white text looks on a background with the XYZ color 76.0698, 81.6580,

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

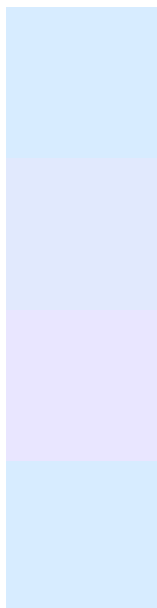




Tritanopia

76.0698, 81.6580, 106.3600

Trichromacy



Original Color

76.0698, 81.6580, 106.3600

Protanomaly

77.9199, 81.3772, 104.5291

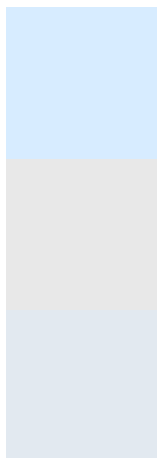
Deuteranomaly

79.9511, 81.1373, 106.0549

Tritanomaly

76.0698, 81.6580, 106.3600

Monochromacy



Original Color

76.0698, 81.6580, 106.3600

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.2311, 80.7378, 94.0042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0698, 81.6580, 106.3600 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(215, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 236, 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(215, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.0698, 81.6580, 106.3600 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(215, 236, 255) }
```


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

```
.border{ border-color:rgb(215, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0698, 81.6580, 106.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 236, 255) }
```

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

```
.background{ background-color: rgb(215,  
236, 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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