

Converting Colors

XYZ(77.7428, 83.3747,
111.3337)

Have a look what the booklet for
XYZ(77.7428, 83.3747, 111.3337)
contains.

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Color

**XYZ(76.6489, 82.8161,
106.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EEFF
RGB	215, 238, 255
RGB Percent	84%, 93%, 100%
CMY	0.1569, 0.0666, 0.0000
CMYK	0.16, 0.07, 0.00, 0.00
HSL	205°, 100%, 92%
HSV	205°, 16%, 100%
XYZ	76.6489, 82.8161, 106.5530
YIQ	233.0610, -19.1650, 0.4110

Conversions

Conversions Part 2

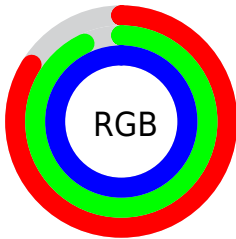
Format	Color
R _Y B	215, 230, 255
Decimal	14151423
CIE Lab	92.93, -4.14, -10.75
CIE LCh	93, 11.517, 248.916
Yxy	82.8161, 0.2881, 0.3113
Android (android.graphics.Color)	4292341503 (0xFFD7EEFF)
YUV	233.0610, 10.8159, -15.8395
Hunter-Lab	91.0034, -8.9116, -5.7185

Details

The XYZ color **76.6489, 82.8161, 106.5530** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.3621, 83.8784, 76.1410**, and the grayscale version is **77.4314, 81.4639, 88.7141**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4182, 45.0067, 59.9303** is the 20% darker color. If you saturate the color by 10%, you get **66.6768, 73.1343, 105.2098**, and if you desaturate by 10%, it is **87.9824, 93.4859, 108.0152**.

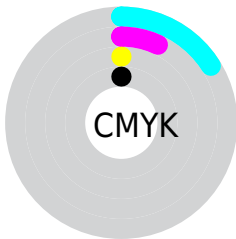
Distribution



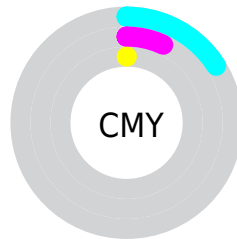
- Red (84%)
- Green (93%)
- Blue (100%)



- 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 76.6489, 82.8161, 106.5530 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 76.6489, 82.8161, 106.5530 by changing the saturation by 10% instead.

■ 76.6489, 82.8161,
106.5530

■ 76.6489, 82.8161,
106.5530

472.4764,
504.3734, 602.4293

■ 57.2637, 62.0385,
81.1371

127.6192,
137.3179, 172.2639

■ 41.4579, 45.0638,
60.1229

159.9350,
171.8108, 213.3960

■ 28.8663, 31.5077,
43.0917

197.2918,
211.6442, 260.6038

■ 19.1235, 20.9857,
29.6252

240.0547,
257.2026, 314.3061

■ 11.8641, 13.1136,
19.3046

288.5893,
308.8703, 374.9212

■ 6.7227, 7.5068,
11.7116

343.2609,

■ 3.3341, 3.7810,

367.0318, 442.8677

6.4274

404.4348,
432.0713, 518.5642

■ 1.3328, 1.5518,
3.0337

■ 0.2076, 0.3248,
1.1119

■ 76.6489, 82.8161,
106.5530

■ 76.6489, 82.8161,
106.5530

■ 66.6768, 73.1343,
105.2098

■ 87.9824, 93.4859,
108.0152

■ 58.0021, 64.3962,
103.9804

95.0500, 100.0000,
108.9000

■ 50.5656, 56.5683,
102.8614

■ 44.3004, 49.6109,
101.8487

■ 39.1327, 43.4807,
100.9378

■ 34.9793, 38.1292,
100.1238

■ 31.7436, 33.5010,
99.4010

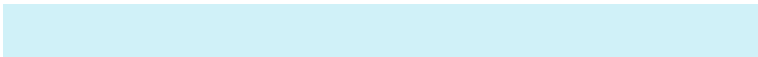
■ 29.3069, 29.5289,
98.7627

■ 28.4292, 27.9784,
98.5097

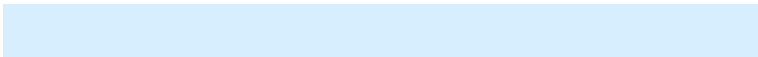
Harmonies

Analogous

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



74.2930, 82.8161, 100.9997



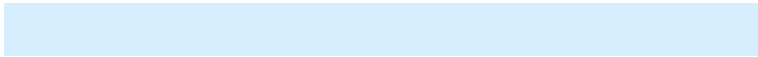
76.6489, 82.8161, 106.5530



79.6154, 82.8161, 107.5734

Triad

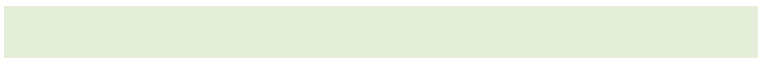
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6489, 82.8161, 106.5530



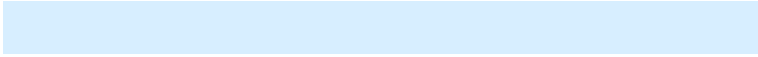
84.5762, 82.8161, 87.6260



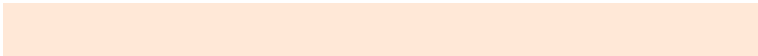
75.1314, 82.8161, 77.8718

Complementary

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



76.6489, 82.8161, 106.5530



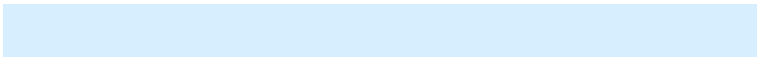
82.3621, 83.8784, 76.1410

Split Complementary

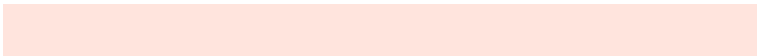
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8199, 82.8161, 74.7574



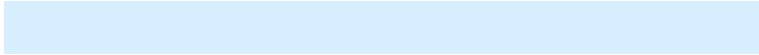
76.6489, 82.8161, 106.5530



83.3075, 82.8161, 80.1484

Square

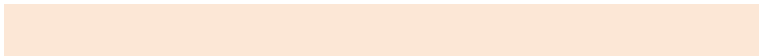
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



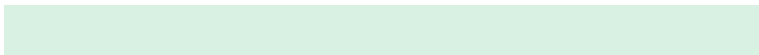
76.6489, 82.8161, 106.5530



84.2433, 82.8161, 96.2727



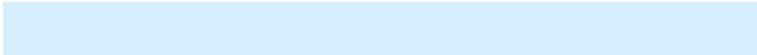
80.8163, 82.8161, 75.5635



73.4325, 82.8161, 84.3359

Rectangle

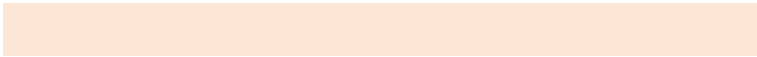
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6489, 82.8161, 106.5530



81.5483, 82.8161, 105.4863



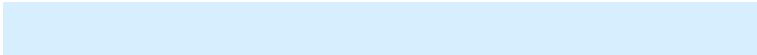
80.8163, 82.8161, 75.5635



75.9466, 82.8161, 76.4178

Sweetspot

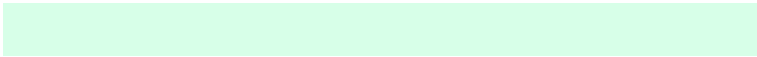
The Sweet Spot groups the original color and five complimentary colors.



76.6511, 82.8194, 106.5535



88.8098, 94.2535, 108.1197



78.3035, 91.7748, 89.6844



18.8273, 20.0056, 23.1191



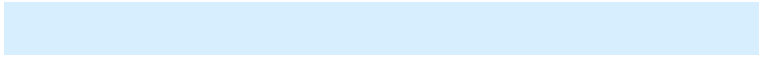
0.0000, 0.0000, 0.0000



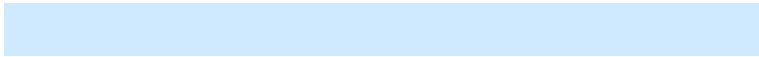
20.3446, 21.4041, 23.3091

Same Dimension

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



76.6511, 82.8194, 106.5535



73.1972, 79.5019, 106.0952



71.2337, 71.9847, 104.7477



17.8705, 19.1126, 22.9972



15.0060, 14.9216, 51.5238



1.5694, 1.6695, 5.0528

Inverse Universe

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



80.9745, 76.0356, 91.3012



78.3547, 71.6322, 87.8502



88.2120, 95.5782, 78.0910



18.4473, 18.1622, 20.9725



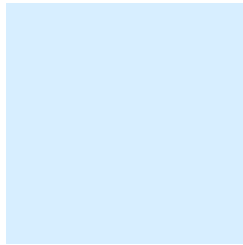
24.3625, 12.2343, 15.8255



2.4268, 1.2131, 1.8288

Previews

White Background



This preview shows how the XYZ color 76.6489, 82.8161, 106.5530 looks on a white background.

Color Contrast Check

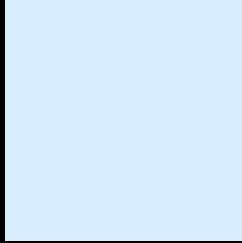
Large Text (above 18pt) WCAG AA × Fail

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 76.6489, 82.8161, 106.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

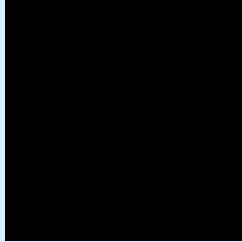
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

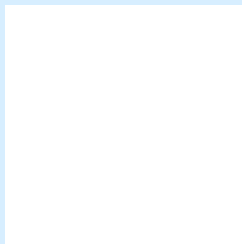
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6489, 82.8161, 106.5530

Background



This preview shows how black text looks on a background with the XYZ color 76.6489, 82.8161, 106.5530.



This preview shows how white text looks on a background with the XYZ color 76.6489, 82.8161,

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

76.6489, 82.8161, 106.5530

Protanopia

80.3139, 82.6297, 103.8116

Deuteranopia

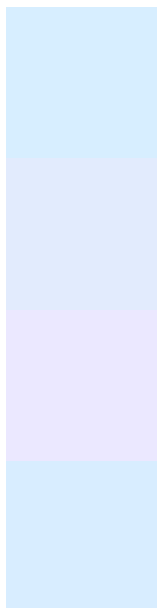
84.0753, 82.8515, 106.1684



Tritanopia

76.9495, 82.5401, 106.4839

Trichromacy



Original Color

76.6489, 82.8161, 106.5530

Protanomaly

78.8020, 82.6773, 104.7335

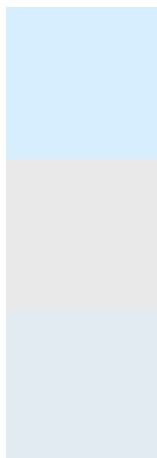
Deuteranomaly

81.1676, 82.5954, 106.2723

Tritanomaly

76.6531, 82.3873, 106.4700

Monochromacy



Original Color

76.6489, 82.8161, 106.5530

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.9495, 81.9363, 94.9787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6489, 82.8161, 106.5530 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.6489, 82.8161, 106.5530 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, 238, 255) }
```


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

```
.border{ border-color:rgb(215, 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(215, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6489, 82.8161, 106.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 238, 255) }
```

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

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