

Converting Colors

XYZ(77.2581, 83.2677,
106.6081)

Have a look what the booklet for
XYZ(77.2581, 83.2677, 106.6081)
contains.

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Color

**XYZ(77.2398, 83.1208,
106.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EEFF
RGB	217, 238, 255
RGB Percent	85%, 93%, 100%
CMY	0.1490, 0.0666, 0.0000
CMYK	0.15, 0.07, 0.00, 0.00
HSL	207°, 100%, 93%
HSV	207°, 15%, 100%
XYZ	77.2398, 83.1208, 106.5807
YIQ	233.6590, -17.9730, 0.8350

Conversions

Conversions Part 2

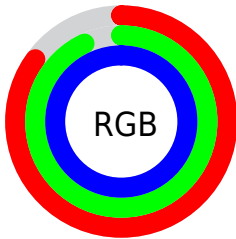
Format	Color
R _Y B	217, 231, 255
Decimal	14282495
CIE Lab	93.07, -3.53, -10.53
CIE LCh	93, 11.108, 251.495
Yxy	83.1208, 0.2894, 0.3114
Android (android.graphics.Color)	4292472575 (0xFFD9EEFF)
YUV	233.6590, 10.5211, -14.6099
Hunter-Lab	91.1706, -8.3232, -5.4921

Details

The XYZ color **77.2398, 83.1208, 106.5807** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1867, 85.1139, 77.6915**, and the grayscale version is **77.8836, 81.9396, 89.2322**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8213, 45.2145, 59.9491** is the 20% darker color. If you saturate the color by 10%, you get **67.0222, 73.0812, 105.1814**, and if you desaturate by 10%, it is **88.8433, 94.1915, 108.1060**.

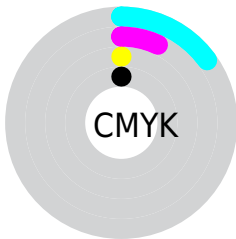
Distribution



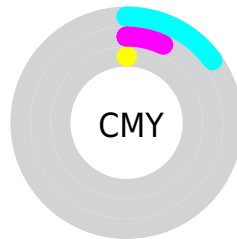
- Red (85%)
- Green (93%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- 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 77.2398, 83.1208, 106.5807 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 77.2398, 83.1208, 106.5807 by changing the saturation by 10% instead.

■ 77.2398, 83.1208,
106.5807

■ 77.2398, 83.1208,
106.5807

474.4607,
505.3890, 602.5172

■ 57.7503, 62.2898,
81.1602

128.4490,
137.7446, 172.3020

■ 41.8504, 45.2669,
60.1418

160.8994,
172.3063, 213.4400

■ 29.1748, 31.6677,
43.1069

198.4008,
212.2136, 260.6541

■ 19.3580, 21.1078,
29.6370

241.3186,
257.8510, 314.3630

■ 12.0348, 13.2028,
19.3135

290.0181,
309.6028, 374.9853

■ 6.8398, 7.5684,
11.7179

344.8647,

■ 3.4075, 3.8200,

367.8535, 442.9393

6.4317

406.2238,
432.9874, 518.6438

■ 1.3728, 1.5734,
3.0363

■ 0.2367, 0.3396,
1.1132

■ 77.2398, 83.1208,
106.5807

■ 77.2398, 83.1208,
106.5807

■ 67.0222, 73.0812,
105.1814

■ 88.8433, 94.1915,
108.1060

■ 58.1265, 64.0274,
103.9027

95.0500, 100.0000,
108.9000

■ 50.4930, 55.9250,
102.7411

■ 44.0547, 48.7334,
101.6923

■ 38.7379, 42.4082,
100.7516

■ 34.4596, 36.9002,
99.9140

■ 31.1237, 32.1532,
99.1735

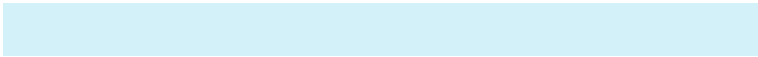
■ 28.6131, 28.0997,
98.5235

■ 27.5673, 26.2546,
98.2224

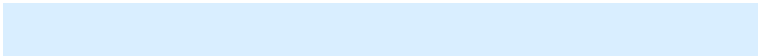
Harmonies

Analogous

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



74.8832, 83.1208, 101.5516



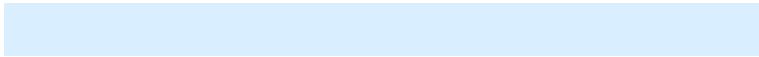
77.2398, 83.1208, 106.5807



80.1251, 83.1208, 107.1477

Triad

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



77.2398, 83.1208, 106.5807



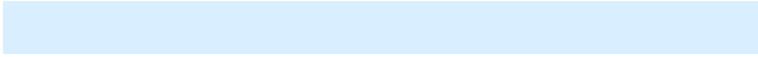
84.6194, 83.1208, 87.3458



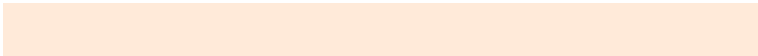
75.3514, 83.1208, 79.0156

Complementary

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



77.2398, 83.1208, 106.5807



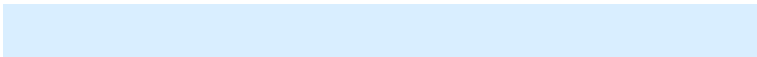
83.1867, 85.1139, 77.6915

Split Complementary

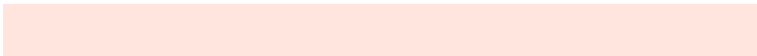
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8931, 83.1208, 75.6806



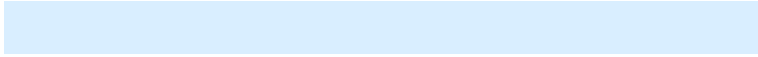
77.2398, 83.1208, 106.5807



83.2729, 83.1208, 80.2890

Square

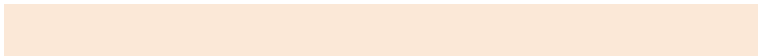
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2398, 83.1208, 106.5807



84.4341, 83.1208, 95.6906



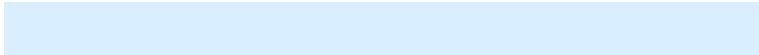
80.7945, 83.1208, 76.1319



73.8116, 83.1208, 85.5091

Rectangle

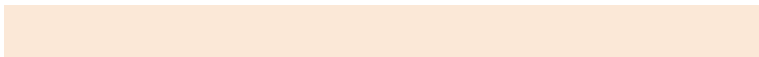
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2398, 83.1208, 106.5807



81.9656, 83.1208, 104.8798



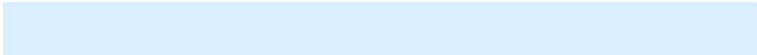
80.7945, 83.1208, 76.1319



76.1143, 83.1208, 77.5065

Sweetspot

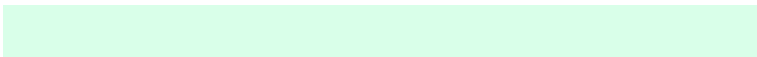
The Sweet Spot groups the original color and five complimentary colors.



77.2420, 83.1241, 106.5812



89.9583, 95.2402, 108.2496



79.1509, 92.1821, 91.0630



19.0554, 20.1978, 23.1442



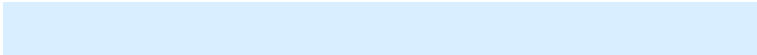
0.0000, 0.0000, 0.0000



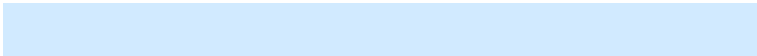
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2420, 83.1241, 106.5812



73.9298, 79.9039, 106.1342



72.1374, 72.9150, 104.8797



17.8355, 19.0427, 22.9855



14.5559, 14.0213, 51.3738



1.5263, 1.5834, 5.0384

Inverse Universe

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



81.4868, 77.0603, 91.4722



78.9840, 72.8776, 88.1008



88.7219, 96.1843, 79.5365



18.4296, 18.1552, 20.8796



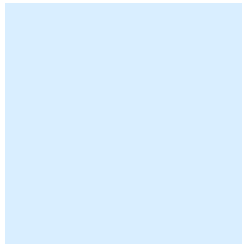
24.1353, 12.1434, 14.6290



2.4050, 1.2044, 1.7143

Previews

White Background



This preview shows how the XYZ color 77.2398, 83.1208, 106.5807 looks on a white background.

Color Contrast Check

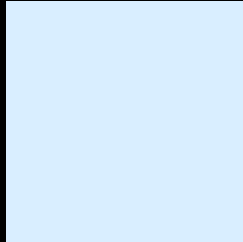
Large Text (above 18pt) WCAG AA × Fail

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 77.2398, 83.1208, 106.5807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

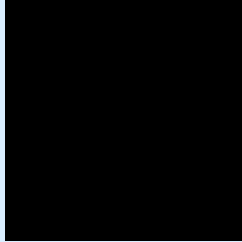
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

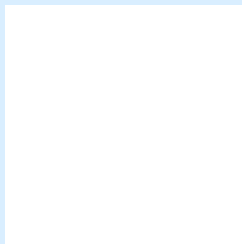
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2398, 83.1208, 106.5807

Background



This preview shows how black text looks on a background with the XYZ color 77.2398, 83.1208, 106.5807.

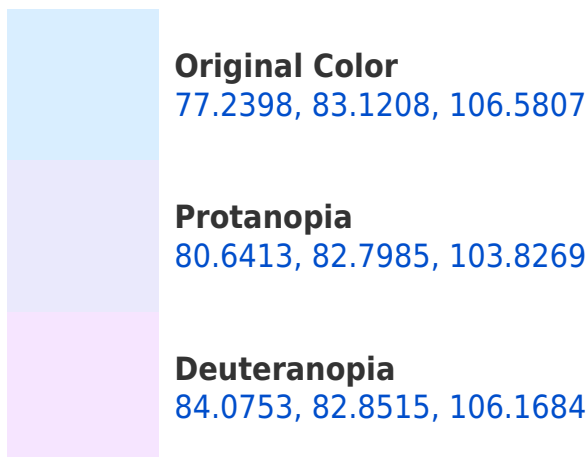


This preview shows how white text looks on a background with the XYZ color 77.2398, 83.1208,

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

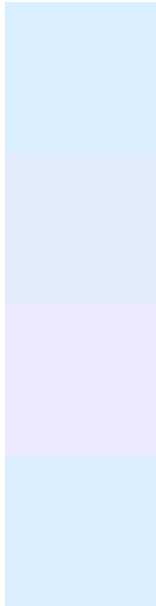




Tritanopia

77.8380, 83.4291, 106.6087

Trichromacy



Original Color

77.2398, 83.1208, 106.5807

Protanomaly

79.4329, 83.0025, 104.7630

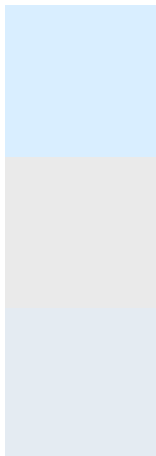
Deuteranomaly

81.1676, 82.5954, 106.2723

Tritanomaly

77.5380, 83.2745, 106.5946

Monochromacy



Original Color

77.2398, 83.1208, 106.5807

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7303, 82.3214, 95.7972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2398, 83.1208, 106.5807 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(217, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2398, 83.1208, 106.5807 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(217, 238, 255) }
```


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

```
.border{ border-color:rgb(217, 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(217, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2398, 83.1208, 106.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 238, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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