

Converting Colors

XYZ(77.4044, 80.7537,
106.1151)

Have a look what the booklet for
XYZ(77.4044, 80.7537, 106.1151)
contains.

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Color

**XYZ(77.3380, 80.6212,
106.0930)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE8FF
RGB	223, 232, 255
RGB Percent	87%, 91%, 100%
CMY	0.1255, 0.0902, 0.0000
CMYK	0.13, 0.09, 0.00, 0.00
HSL	223°, 100%, 94%
HSV	223°, 13%, 100%
XYZ	77.3380, 80.6212, 106.0930
YIQ	231.9310, -12.7470, 5.2450

Conversions

Conversions Part 2

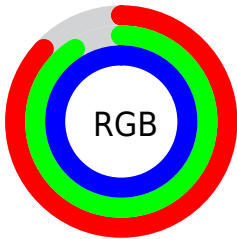
Format	Color
RYB	223, 230, 255
Decimal	14674175
CIELab	91.96, 1.43, -12.13
CIElCh	92, 12.218, 276.734
Yxy	80.6212, 0.2929, 0.3053
Android (android.graphics.Color)	4292864255 (0xFFDFE8FF)
YUV	231.9310, 11.3730, -7.8325
Hunter-Lab	89.7893, -3.3843, -7.2032

Details

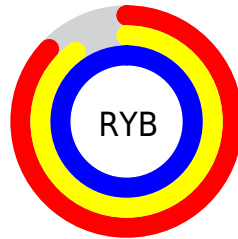
The XYZ color **77.3380, 80.6212, 106.0930** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5144, 92.4975, 83.0549**, and the grayscale version is **76.5764, 80.5644, 87.7346**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8668, 43.4527, 59.6067** is the 20% darker color. If you saturate the color by 10%, you get **65.1733, 67.0895, 104.1223**, and if you desaturate by 10%, it is **91.2281, 95.8451, 108.2995**.

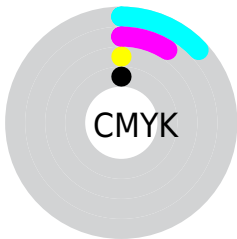
Distribution



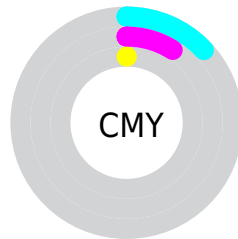
- Red (87%)
- Green (91%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3380, 80.6212, 106.0930 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 77.3380, 80.6212, 106.0930 by changing the saturation by 10% instead.

■ 77.3380, 80.6212,
106.0930

■ 77.3380, 80.6212,
106.0930

474.7900,
497.0239, 600.9685

■ 57.8312, 60.2297,
80.7536

128.5868,
134.2388, 171.6301

■ 41.9157, 43.6038,
59.8089

161.0595,
168.2336, 212.6649

■ 29.2261, 30.3591,
42.8403

198.5850,
207.5316, 259.7685

■ 19.3971, 20.1113,
29.4294

241.5284,
252.5173, 313.3595

■ 12.0633, 12.4760,
19.1575

290.2553,
303.5749, 373.8565

■ 6.8593, 7.0687,
11.6062

345.1310,

■ 3.4198, 3.5051,

361.0890, 441.6779

6.3568

406.5207,
425.4438, 517.2424

■ 1.3795, 1.4008,
2.9910

■ 0.2415, 0.2173,
1.0900

■ 77.3380, 80.6212,
106.0930

■ 77.3380, 80.6212,
106.0930

■ 65.1733, 67.0895,
104.1223

■ 91.2281, 95.8451,
108.2995

■ 54.6584, 55.1803,
102.3778

95.0500, 100.0000,
108.9000

■ 45.7215, 44.8331,
100.8516

■ 38.2828, 35.9798,
99.5348

■ 32.2552, 28.5470,
98.4178

■ 27.5421, 22.4545,
97.4903

■ 24.0335, 17.6128,
96.7406

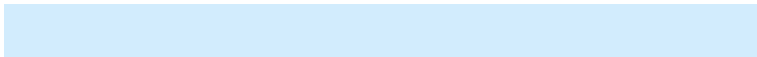
■ 21.5990, 13.9192,
96.1560

■ 20.3511, 11.8222,
95.8170

Harmonies

Analogous

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



74.2685, 80.6212, 104.6401



77.3380, 80.6212, 106.0930



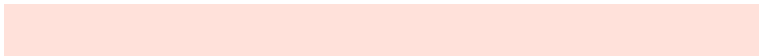
80.2951, 80.6212, 102.3777

Triad

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



77.3380, 80.6212, 106.0930



81.5677, 80.6212, 77.8445



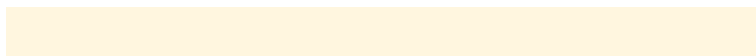
71.2157, 80.6212, 81.1303

Complementary

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



77.3380, 80.6212, 106.0930



87.5144, 92.4975, 83.0549

Split Complementary

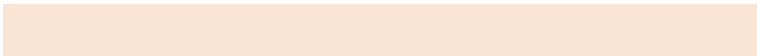
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0744, 80.6212, 74.6454



77.3380, 80.6212, 106.0930



79.0370, 80.6212, 72.8407

Square

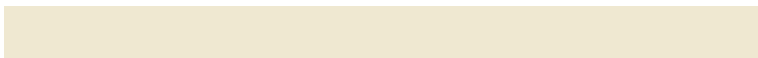
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3380, 80.6212, 106.0930



82.7799, 80.6212, 85.7713



75.9224, 80.6212, 71.7107



70.7888, 80.6212, 89.8255

Rectangle

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



77.3380, 80.6212, 106.0930



81.7864, 80.6212, 97.6101



75.9224, 80.6212, 71.7107



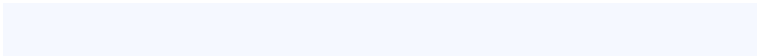
71.6913, 80.6212, 78.6382

Sweetspot

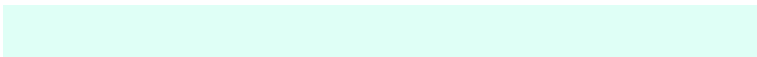
The Sweet Spot groups the original color and five complimentary colors.



77.3402, 80.6245, 106.0936



89.1024, 93.5285, 107.9644



82.8165, 93.8581, 100.8872



18.8390, 19.7651, 23.0721



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.



77.3402, 80.6245, 106.0936



74.2004, 77.1522, 105.5888



77.0505, 76.8087, 105.3723



17.4191, 18.2098, 22.8467



10.7419, 6.3934, 50.1025



1.1336, 0.7979, 4.9075

Inverse Universe

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



82.1945, 79.8630, 87.4308



79.9244, 76.3313, 83.5652



87.8148, 96.8166, 83.8727



18.2194, 18.0711, 19.7727



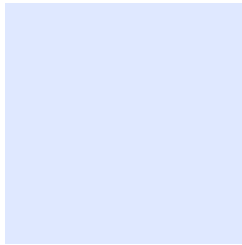
22.2102, 11.3734, 4.4915



2.2068, 1.1251, 0.6704

Previews

White Background



This preview shows how the XYZ color 77.3380, 80.6212, 106.0930 looks on a white background.

Color Contrast Check

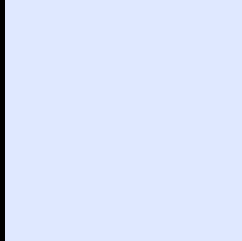
Large Text (above 18pt) WCAG AA × Fail

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 77.3380, 80.6212, 106.0930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

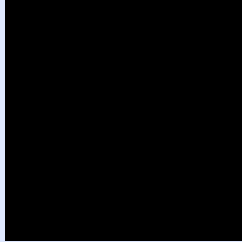
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.3380, 80.6212, 106.0930

Background



This preview shows how black text looks on a background with the XYZ color 77.3380, 80.6212, 106.0930.



This preview shows how white text looks on a background with the XYZ color 77.3380, 80.6212,

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

77.3380, 80.6212, 106.0930

Protanopia

78.4993, 80.4074, 105.1488

Deuteranopia

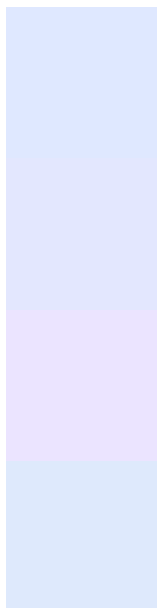
81.8643, 80.4900, 105.8291



Tritanopia

76.6757, 80.7725, 102.8162

Trichromacy



Original Color

77.3380, 80.6212, 106.0930

Protanomaly

78.1439, 80.6385, 105.2121

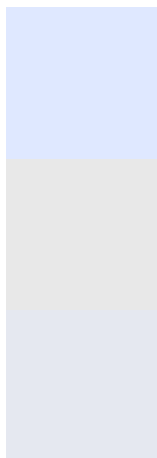
Deuteranomaly

80.0544, 80.3690, 105.9012

Tritanomaly

76.8338, 80.8357, 103.6487

Monochromacy



Original Color

77.3380, 80.6212, 106.0930

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8979, 80.6625, 93.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3380, 80.6212, 106.0930 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(223, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 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(223, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.3380, 80.6212, 106.0930 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(223, 232, 255) }
```


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

```
.border{ border-color:rgb(223, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3380, 80.6212, 106.0930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 255) }
```

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

```
.background{ background-color: rgb(223,  
232, 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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