

Converting Colors

XYZ(78.4115, 81.5951,
110.5119)

Have a look what the booklet for
XYZ(78.4115, 81.5951, 110.5119)
contains.

XYZ(77.6203, 81.1858, 106.1871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.6203, 81.1858,
106.1871)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE9FF
RGB	223, 233, 255
RGB Percent	87%, 91%, 100%
CMY	0.1255, 0.0863, 0.0000
CMYK	0.13, 0.09, 0.00, 0.00
HSL	221°, 100%, 94%
HSV	221°, 13%, 100%
XYZ	77.6203, 81.1858, 106.1871
YIQ	232.5180, -13.0220, 4.7220

Conversions

Conversions Part 2

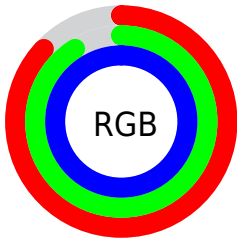
Format	Color
R_{YB}	223, 231, 255
Decimal	14674431
CIE Lab	92.21, 0.92, -11.76
CIE LCh	92, 11.795, 274.455
Yxy	81.1858, 0.2929, 0.3064
Android (android.graphics.Color)	4292864511 (0xFFDFE9FF)
YUV	232.5180, 11.0836, -8.3473
Hunter-Lab	90.1032, -3.9099, -6.8014

Details

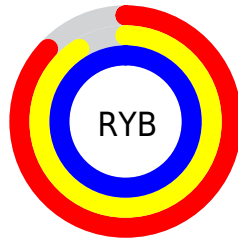
The XYZ color **77.6203, 81.1858, 106.1871** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.2111, 91.8908, 82.9537**, and the grayscale version is **77.0182, 81.0292, 88.2408**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0636, 43.8463, 59.6723** is the 20% darker color. If you saturate the color by 10%, you get **65.6297, 68.0024, 104.2744**, and if you desaturate by 10%, it is **91.2913, 95.9716, 108.3205**.

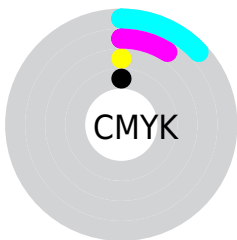
Distribution



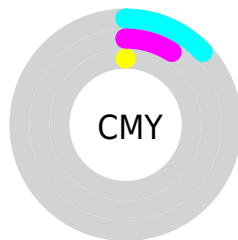
- Red (87%)
- Green (91%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- 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 77.6203, 81.1858, 106.1871 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 77.6203, 81.1858, 106.1871 by changing the saturation by 10% instead.

■ 77.6203, 81.1858,
106.1871

■ 77.6203, 81.1858,
106.1871

475.7359,
498.9201, 601.2674

■ 58.0638, 60.6946,
80.8320

128.9829,
135.0316, 171.7598

■ 42.1034, 43.9788,
59.8731

161.5198,
169.1551, 212.8145

■ 29.3737, 30.6538,
42.8917

199.1141,
208.5914, 259.9394

■ 19.5094, 20.3354,
29.4694

242.1314,
253.7250, 313.5532

■ 12.1451, 12.6391,
19.1876

290.9368,
304.9403, 374.0744

■ 6.9155, 7.1805,
11.6277

345.8958,

■ 3.4552, 3.5752,

362.6216, 441.9214

6.3713

407.3737,
427.1535, 517.5129

■ 1.3988, 1.4389,
2.9997

■ 0.2554, 0.2451,
1.0945

■ 77.6203, 81.1858,
106.1871

■ 77.6203, 81.1858,
106.1871

■ 65.6297, 68.0024,
104.2744

■ 91.2913, 95.9716,
108.3205

■ 55.2461, 56.3556,
102.5737

95.0500, 100.0000,
108.9000

■ 46.3998, 46.1896,
101.0777

■ 39.0135, 37.4412,
99.7784

■ 33.0027, 30.0420,
98.6670

■ 28.2737, 23.9176,
97.7341

■ 24.7196, 18.9849,
96.9693

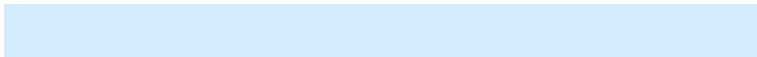
■ 22.2136, 15.1484,
96.3609

■ 20.8980, 12.9160,
95.9993

Harmonies

Analogous

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



74.6679, 81.1858, 104.4026



77.6203, 81.1858, 106.1871



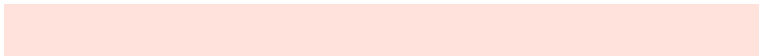
80.5241, 81.1858, 102.9542

Triad

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



77.6203, 81.1858, 106.1871



82.0928, 81.1858, 79.2479



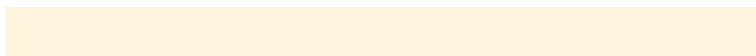
72.0027, 81.1858, 81.3637

Complementary

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



77.6203, 81.1858, 106.1871



87.2111, 91.8908, 82.9537

Split Complementary

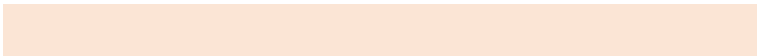
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9000, 81.1858, 75.2820



77.6203, 81.1858, 106.1871



79.7165, 81.1858, 74.1179

Square

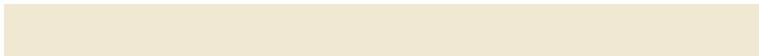
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6203, 81.1858, 106.1871



83.1491, 81.1858, 87.1016



76.7108, 81.1858, 72.7148



71.4745, 81.1858, 89.7063

Rectangle

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



77.6203, 81.1858, 106.1871



82.0263, 81.1858, 98.5060



76.7108, 81.1858, 72.7148



72.4990, 81.1858, 79.0054

Sweetspot

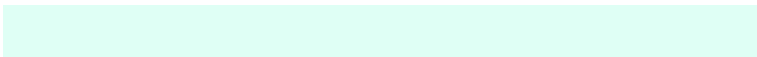
The Sweet Spot groups the original color and five complimentary colors.



77.6225, 81.1891, 106.1877



89.2004, 93.7244, 107.9970



82.6533, 93.7928, 100.0276



18.8637, 19.8146, 23.0803



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.



77.6225, 81.1891, 106.1877



74.5295, 77.8104, 105.6985



76.7094, 76.6329, 105.3563



17.4663, 18.3042, 22.8624



11.0363, 6.9821, 50.2006



1.1672, 0.8651, 4.9187

Inverse Universe

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



82.3370, 79.9200, 88.1812



80.0905, 76.3977, 84.4399



88.1942, 97.0121, 83.8904



18.2432, 18.0806, 19.8981



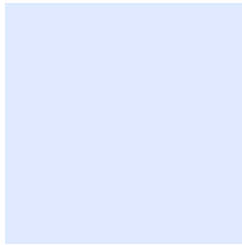
22.3588, 11.4328, 5.2739



2.2238, 1.1319, 0.7598

Previews

White Background



This preview shows how the XYZ color 77.6203, 81.1858, 106.1871 looks on a white background.

Color Contrast Check

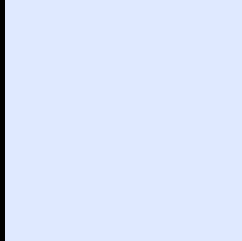
Large Text (above 18pt) WCAG AA × Fail

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 77.6203, 81.1858, 106.1871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

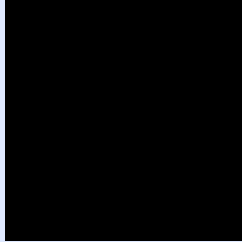
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6203, 81.1858, 106.1871

Background



This preview shows how black text looks on a background with the XYZ color 77.6203, 81.1858, 106.1871.



This preview shows how white text looks on a background with the XYZ color 77.6203, 81.1858,

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

77.6203, 81.1858, 106.1871

Protanopia

79.0984, 81.1306, 105.2568

Deuteranopia

82.4812, 81.2129, 105.9362



Tritanopia

76.8338, 80.8357, 103.6487

Trichromacy



Original Color

77.6203, 81.1858, 106.1871

Protanomaly

78.4246, 81.1999, 105.3057

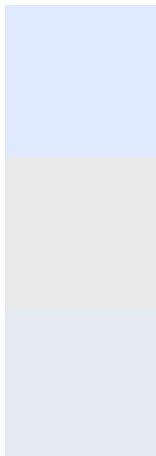
Deuteranomaly

80.6614, 81.0915, 106.0087

Tritanomaly

76.9927, 80.8993, 104.4857

Monochromacy



Original Color

77.6203, 81.1858, 106.1871

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.3292, 81.2867, 94.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6203, 81.1858, 106.1871 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 233, 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, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.6203, 81.1858, 106.1871 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, 233, 255) }
```


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

```
.border{ border-color:rgb(223, 233, 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, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6203, 81.1858, 106.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 233, 255) }
```

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

```
.background{ background-color: rgb(223,  
233, 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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