

Converting Colors

XYZ(78.6138, 80.6853,
106.0382)

Have a look what the booklet for
XYZ(78.6138, 80.6853, 106.0382)
contains.

XYZ(78.6208, 80.8658, 106.0726)	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(78.6208, 80.8658,
106.0726)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E7FF
RGB	228, 231, 255
RGB Percent	89%, 91%, 100%
CMY	0.1059, 0.0941, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	233°, 100%, 95%
HSV	233°, 11%, 100%
XYZ	78.6208, 80.8658, 106.0726
YIQ	232.8390, -9.4920, 6.8280

Conversions

Conversions Part 2

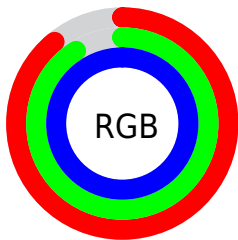
Format	Color
R _Y B	228, 231, 255
Decimal	15001599
CIE Lab	92.07, 3.53, -11.93
CIE LCh	92, 12.444, 286.476
Yxy	80.8658, 0.2961, 0.3045
Android (android.graphics.Color)	4293191679 (0xFFE4E7FF)
YUV	232.8390, 10.9254, -4.2438
Hunter-Lab	89.9254, -1.3089, -6.9884

Details

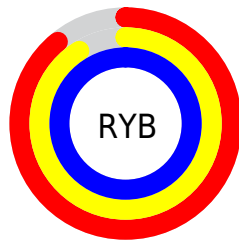
The XYZ color **78.6208, 80.8658, 106.0726** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0533, 96.4804, 87.2766**, and the grayscale version is **77.2585, 81.2819, 88.5160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5363, 43.5078, 59.5820** is the 20% darker color. If you saturate the color by 10%, you get **65.1825, 65.1253, 103.7427**, and if you desaturate by 10%, it is **94.0778, 98.8706, 108.7332**.

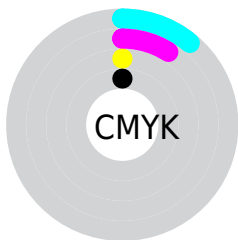
Distribution



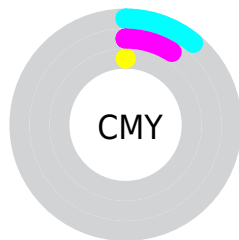
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.6208, 80.8658, 106.0726 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 78.6208, 80.8658, 106.0726 by changing the saturation by 10% instead.

■ 78.6208, 80.8658,
106.0726

■ 78.6208, 80.8658,
106.0726

479.0802,
497.8459, 600.9036

■ 58.8886, 60.4311,
80.7366

130.3856,
134.5823, 171.6020

■ 42.7695, 43.7662,
59.7949

163.1490,
168.6329, 212.6324

■ 29.8980, 30.4867,
42.8292

200.9868,
207.9909, 259.7314

■ 19.9089, 20.2083,
29.4207

244.2645,
253.0407, 313.3175

■ 12.4367, 12.5466,
19.1510

293.3473,
304.1667, 373.8092

■ 7.1161, 7.1171,
11.6015

348.6006,

■ 3.5818, 3.5354,

361.7533, 441.6251

6.3537

410.3898,
426.1849, 517.1838

■ 1.4684, 1.4172,
2.9891

■ 0.3042, 0.2294,
1.0891

■ 78.6208, 80.8658,
106.0726

■ 78.6208, 80.8658,
106.0726

■ 65.1825, 65.1253,
103.7427

94.0778, 98.8706,
108.7332

■ 53.6731, 51.5498,
101.7290

95.0500, 100.0000,
108.9000

■ 44.0057, 40.0471,
100.0183

■ 36.0840, 30.5148,
98.5959

■ 29.8030, 22.8415,
97.4458

■ 25.0462, 16.9047,
96.5506

■ 21.6817, 12.5670,
95.8907

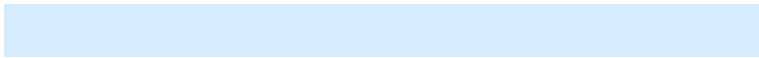
■ 19.5544, 9.6696,
95.4435

■ 18.4740, 8.0679,
95.1913

Harmonies

Analogous

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



75.4290, 80.8658, 106.3391



78.6208, 80.8658, 106.0726



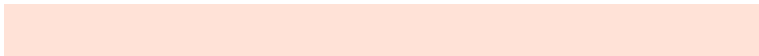
81.4140, 80.8658, 100.7653

Triad

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



78.6208, 80.8658, 106.0726



81.1811, 80.8658, 75.8671



71.0257, 80.8658, 83.9877

Complementary

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



78.6208, 80.8658, 106.0726



90.0533, 96.4804, 87.2766

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.



72.4801, 80.8658, 76.4505



78.6208, 80.8658, 106.0726



78.3100, 80.8658, 71.9866

Square

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



78.6208, 80.8658, 106.0726



82.9200, 80.8658, 83.1400



75.1267, 80.8658, 72.1925



71.1036, 80.8658, 93.1478

Rectangle

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



78.6208, 80.8658, 106.0726



82.6479, 80.8658, 95.2797



75.1267, 80.8658, 72.1925



71.3498, 80.8658, 81.1939

Sweetspot

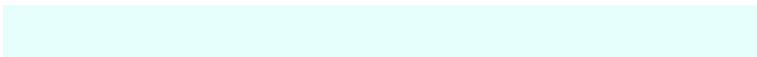
The Sweet Spot groups the original color and five complimentary colors.



78.6230, 80.8691, 106.0732



90.1605, 94.3163, 108.0606



85.3025, 95.0331, 105.8184



19.0251, 19.8700, 23.0825



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.



78.6230, 80.8691, 106.0732



75.1990, 76.8674, 105.4812



81.1720, 80.9460, 105.9537



17.1656, 17.7029, 22.7622



9.7047, 4.3191, 49.7567



0.9953, 0.5213, 4.8614

Inverse Universe

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



83.4085, 82.5178, 87.1366



80.9855, 78.8885, 82.5778



87.2984, 96.4713, 87.4200



18.0915, 18.0199, 19.0990



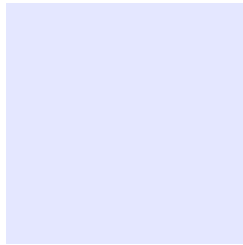
21.6867, 11.1640, 1.7347



2.1370, 1.0972, 0.3028

Previews

White Background



This preview shows how the XYZ color 78.6208, 80.8658, 106.0726 looks on a white background.

Color Contrast Check

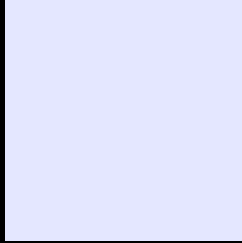
Large Text (above 18pt) WCAG AA × Fail

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 78.6208, 80.8658, 106.0726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

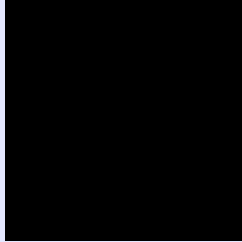
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.6208, 80.8658, 106.0726

Background



This preview shows how black text looks on a background with the XYZ color 78.6208, 80.8658, 106.0726.



This preview shows how white text looks on a background with the XYZ color 78.6208, 80.8658,

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

78.6208, 80.8658, 106.0726

Protanopia

79.2590, 81.1948, 106.1025

Deuteranopia

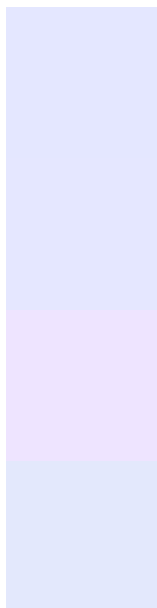
82.2085, 80.6674, 105.8453



Tritanopia

77.7905, 80.9462, 101.9667

Trichromacy



Original Color

78.6208, 80.8658, 106.0726

Protanomaly

78.9390, 81.0298, 106.0875

Deuteranomaly

81.0533, 80.8839, 105.9479

Tritanomaly

78.1059, 81.0724, 103.6274

Monochromacy



Original Color

78.6208, 80.8658, 106.0726

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6888, 81.0530, 94.7692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6208, 80.8658, 106.0726 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(228, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 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(228, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.6208, 80.8658, 106.0726 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(228, 231, 255) }
```


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

```
.border{ border-color:rgb(228, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6208, 80.8658, 106.0726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 231, 255) }
```

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

```
.background{ background-color: rgb(228,  
231, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor