

Converting Colors

XYZ(79.0711, 81.5853,
109.7755)

Have a look what the booklet for
XYZ(79.0711, 81.5853, 109.7755)
contains.

XYZ(78.2706, 81.1020, 106.1367)	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(78.2706, 81.1020,
106.1367)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E8FF
RGB	226, 232, 255
RGB Percent	89%, 91%, 100%
CMY	0.1137, 0.0902, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	228°, 100%, 94%
HSV	228°, 11%, 100%
XYZ	78.2706, 81.1020, 106.1367
YIQ	232.8280, -10.9590, 5.8810

Conversions

Conversions Part 2

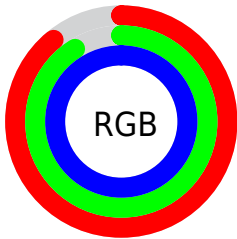
Format	Color
R_{YB}	226, 231, 255
Decimal	14870783
CIE Lab	92.18, 2.38, -11.79
CIE LCh	92, 12.029, 281.403
Yxy	81.1020, 0.2948, 0.3055
Android (android.graphics.Color)	4293060863 (0xFFE2E8FF)
YUV	232.8280, 10.9308, -5.9882
Hunter-Lab	90.0566, -2.4601, -6.8369

Details

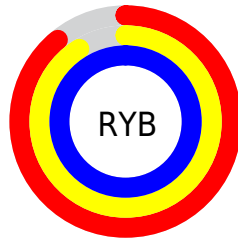
The XYZ color **78.2706, 81.1020, 106.1367** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.8424, 94.5004, 85.5108**, and the grayscale version is **77.2510, 81.2740, 88.5074**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5130, 43.7858, 59.6369** is the 20% darker color. If you saturate the color by 10%, you get **65.4934, 66.5479, 104.0009**, and if you desaturate by 10%, it is **92.8962, 97.5855, 108.5475**.

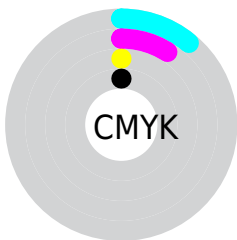
Distribution



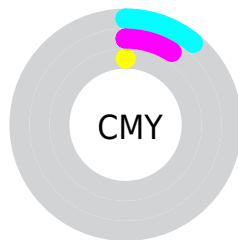
- Red (89%)
- Green (91%)
- Blue (100%)



- 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 78.2706, 81.1020, 106.1367 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 78.2706, 81.1020, 106.1367 by changing the saturation by 10% instead.

■ 78.2706, 81.1020,
106.1367

■ 78.2706, 81.1020,
106.1367

477.9111,
498.6389, 601.1073

■ 58.5998, 60.6256,
80.7900

129.8949,
134.9140, 171.6903

■ 42.5362, 43.9231,
59.8387

162.5791,
169.0184, 212.7343

■ 29.7143, 30.6101,
42.8642

200.3318,
208.4342, 259.8479

■ 19.7689, 20.3021,
29.4479

243.5185,
253.5459, 313.4495

■ 12.3344, 12.6148,
19.1715

292.5044,
304.7378, 373.9577

■ 7.0457, 7.1639,
11.6162

347.6549,

■ 3.5373, 3.5648,

362.3943, 441.7910

6.3635

409.3353,
426.8999, 517.3681

■ 1.4438, 1.4332,
2.9950

■ 0.2871, 0.2410,
1.0921

■ 78.2706, 81.1020,
106.1367

■ 78.2706, 81.1020,
106.1367

■ 65.4934, 66.5479,
104.0009

■ 92.8962, 97.5855,
108.5475

■ 54.4836, 53.8421,
102.1287

95.0500, 100.0000,
108.9000

■ 45.1640, 42.9124,
100.5103

■ 37.4487, 33.6777,
99.1344

■ 31.2444, 26.0507,
97.9893

■ 26.4474, 19.9358,
97.0618

■ 22.9406, 15.2264,
96.3376

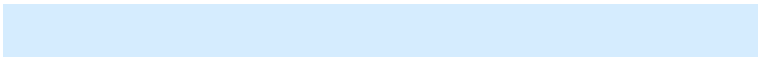
■ 20.5860, 11.8008,
95.8005

■ 19.3136, 9.7473,
95.4712

Harmonies

Analogous

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



75.1980, 81.1020, 105.5107



78.2706, 81.1020, 106.1367



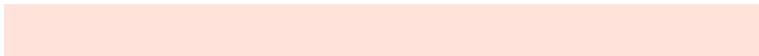
81.0984, 81.1020, 101.7524

Triad

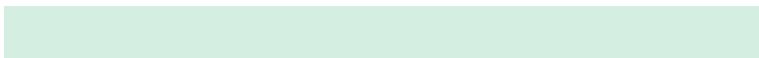
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2706, 81.1020, 106.1367



81.6472, 81.1020, 77.4813



71.5676, 81.1020, 82.9686

Complementary

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



78.2706, 81.1020, 106.1367



88.8424, 94.5004, 85.5108

Split Complementary

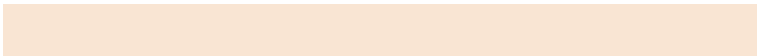
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2063, 81.1020, 76.1002



78.2706, 81.1020, 106.1367



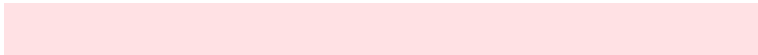
79.0033, 81.1020, 73.0818

Square

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



78.2706, 81.1020, 106.1367



83.0825, 81.1020, 84.9710



75.9115, 81.1020, 72.5938



71.3834, 81.1020, 91.7277

Rectangle

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



78.2706, 81.1020, 106.1367



82.4428, 81.1020, 96.7397



75.9115, 81.1020, 72.5938



71.9645, 81.1020, 80.3778

Sweetspot

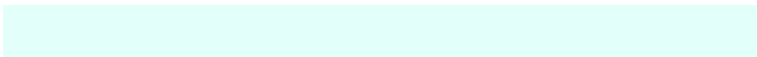
The Sweet Spot groups the original color and five complimentary colors.



78.2728, 81.1053, 106.1372



90.3865, 94.7683, 108.1360



84.1794, 94.5110, 103.1971



19.0859, 19.9915, 23.1028



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.



78.2728, 81.1053, 106.1372



74.7384, 77.0958, 105.5496



79.2502, 79.1431, 105.7070



17.3076, 17.9868, 22.8095



10.1767, 5.2629, 49.9141



1.0648, 0.6603, 4.8846

Inverse Universe

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



83.0031, 81.4803, 87.7004



80.4723, 77.6087, 83.1882



87.7693, 96.7460, 86.0008



18.1632, 18.0486, 19.4764



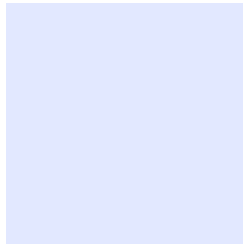
21.9249, 11.2593, 2.9891



2.1721, 1.1112, 0.4875

Previews

White Background



This preview shows how the XYZ color 78.2706, 81.1020, 106.1367 looks on a white background.

Color Contrast Check

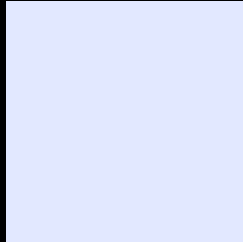
Large Text (above 18pt) WCAG AA × Fail

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 78.2706, 81.1020, 106.1367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

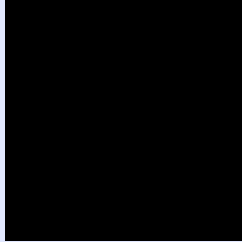
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.2706, 81.1020, 106.1367

Background



This preview shows how black text looks on a background with the XYZ color 78.2706, 81.1020, 106.1367.



This preview shows how white text looks on a background with the XYZ color 78.2706, 81.1020,

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

78.2706, 81.1020, 106.1367

Protanopia

79.0984, 81.1306, 105.2568

Deuteranopia

82.2085, 80.6674, 105.8453



Tritanopia

77.6028, 81.2504, 102.8596

Trichromacy



Original Color

78.2706, 81.1020, 106.1367

Protanomaly

78.7784, 80.9656, 105.2418

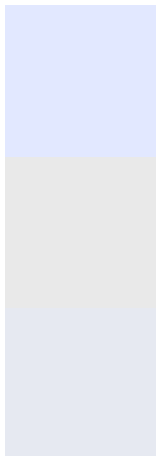
Deuteranomaly

80.7185, 80.7113, 105.9323

Tritanomaly

77.7609, 81.3137, 103.6921

Monochromacy



Original Color

78.2706, 81.1020, 106.1367

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.6492, 81.4517, 94.8483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2706, 81.1020, 106.1367 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(226, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.2706, 81.1020, 106.1367 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(226, 232, 255) }
```


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

```
.border{ border-color:rgb(226, 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(226, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2706, 81.1020, 106.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 232, 255) }
```

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

```
.background{ background-color: rgb(226,  
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](#).

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