

Converting Colors

XYZ(78.1948, 80.3143,
105.9886)

Have a look what the booklet for
XYZ(78.1948, 80.3143, 105.9886)
contains.

XYZ(78.0254, 80.1445, 105.9648)	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(78.0254, 80.1445,
105.9648)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E6FF
RGB	227, 230, 255
RGB Percent	89%, 90%, 100%
CMY	0.1098, 0.0980, 0.0000
CMYK	0.11, 0.10, 0.00, 0.00
HSL	234°, 100%, 95%
HSV	234°, 11%, 100%
XYZ	78.0254, 80.1445, 105.9648
YIQ	231.9530, -9.8130, 7.1390

Conversions

Conversions Part 2

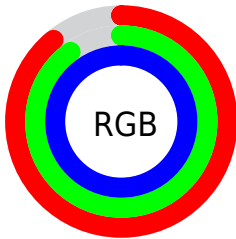
Format	Color
R _Y B	227, 230, 255
Decimal	14935807
CIE Lab	91.75, 3.73, -12.42
CIE LCh	92, 12.970, 286.717
Yxy	80.1445, 0.2954, 0.3034
Android (android.graphics.Color)	4293125887 (0xFFE3E6FF)
YUV	231.9530, 11.3622, -4.3438
Hunter-Lab	89.5235, -1.0919, -7.5124

Details

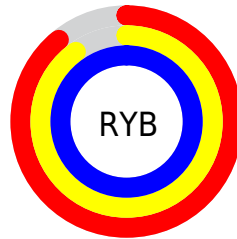
The XYZ color **78.0254, 80.1445, 105.9648** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.9150, 96.4253, 86.5477**, and the grayscale version is **76.5914, 80.5801, 87.7518**.

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 **64.6437, 64.4493, 103.6406**, and if you desaturate by 10%, it is **93.4299, 98.1150, 108.6215**.

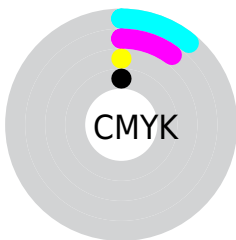
Distribution



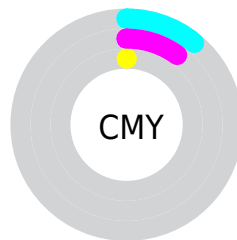
- Red (89%)
- Green (90%)
- Blue (100%)



- Red (89%)
- Yellow (90%)
- Blue (100%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0254, 80.1445, 105.9648 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 78.0254, 80.1445, 105.9648 by changing the saturation by 10% instead.

■ 78.0254, 80.1445,
105.9648

■ 78.0254, 80.1445,
105.9648

477.0916,
495.4197, 600.5610

■ 58.3977, 59.8373,
80.6467

129.5511,
133.5689, 171.4534

■ 42.3730, 43.2875,
59.7214

162.1798,
167.4548, 212.4610

■ 29.5858, 30.1107,
42.7703

199.8729,
206.6358, 259.5356

■ 19.6709, 19.9227,
29.3748

242.9957,
251.4961, 313.0956

■ 12.2629, 12.3388,
19.1166

291.9137,
302.4203, 373.5596

■ 6.9965, 6.9749,
11.5769

346.9921,

■ 3.5062, 3.4464,

359.7927, 441.3461

6.3372

408.5962,
423.9977, 516.8738

■ 1.4268, 1.3690,
2.9791

■ 0.2752, 0.1937,
1.0840

■ 78.0254, 80.1445,
105.9648

■ 78.0254, 80.1445,
105.9648

■ 64.6437, 64.4493,
103.6406

■ 93.4299, 98.1150,
108.6215

■ 53.1943, 50.9290,
101.6344

■ 95.0500, 100.0000,
108.9000

■ 43.5896, 39.4903,
99.9327

■ 35.7324, 30.0294,
98.5207

■ 29.5168, 22.4332,
97.3821

■ 24.8250, 16.5776,
96.4991

■ 21.5237, 12.3226,
95.8518

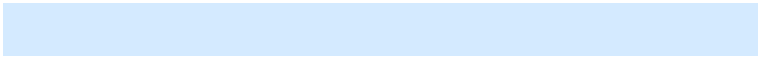
■ 19.4556, 9.5066,
95.4173

■ 18.4500, 8.0200,
95.1833

Harmonies

Analogous

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



74.7180, 80.1445, 106.2877



78.0254, 80.1445, 105.9648



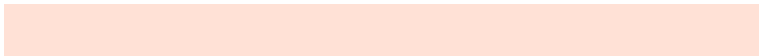
80.9158, 80.1445, 100.4039

Triad

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



78.0254, 80.1445, 105.9648



80.6346, 80.1445, 74.6233



70.1312, 80.1445, 83.1314

Complementary

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



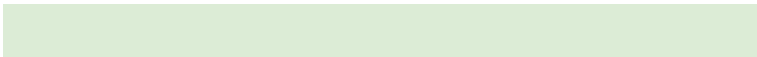
78.0254, 80.1445, 105.9648



89.9150, 96.4253, 86.5477

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.



71.6230, 80.1445, 75.3232



78.0254, 80.1445, 105.9648



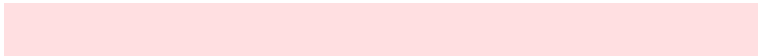
77.6507, 80.1445, 70.6570

Square

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



78.0254, 80.1445, 105.9648



82.4520, 80.1445, 82.1114



74.3540, 80.1445, 70.9035



70.2249, 80.1445, 92.6272

Rectangle

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



78.0254, 80.1445, 105.9648



82.1887, 80.1445, 94.6894



74.3540, 80.1445, 70.9035



70.4620, 80.1445, 80.2368

Sweetspot

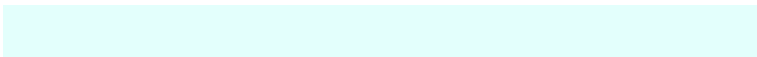
The Sweet Spot groups the original color and five complimentary colors.



78.0275, 80.1478, 105.9653



90.1512, 94.2975, 108.0575



84.9678, 94.8627, 105.7063



19.0226, 19.8650, 23.0817



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.



78.0275, 80.1478, 105.9653



75.1632, 76.7958, 105.4693



80.6907, 80.2907, 105.8526



17.1598, 17.6912, 22.7603



9.6908, 4.2912, 49.7521



0.9925, 0.5157, 4.8605

Inverse Universe

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



82.9934, 81.9129, 86.3032



80.9674, 78.8813, 82.4826



87.0266, 96.3472, 86.6848



18.0885, 18.0187, 19.0834



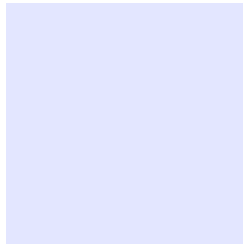
21.6797, 11.1612, 1.6976



2.1356, 1.0966, 0.2954

Previews

White Background



This preview shows how the XYZ color 78.0254, 80.1445, 105.9648 looks on a white background.

Color Contrast Check

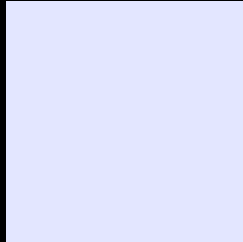
Large Text (above 18pt) WCAG AA × Fail

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 78.0254, 80.1445, 105.9648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

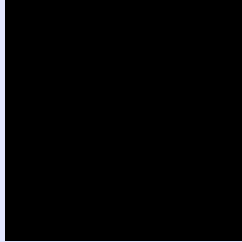
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.0254, 80.1445, 105.9648

Background



This preview shows how black text looks on a background with the XYZ color 78.0254, 80.1445, 105.9648.

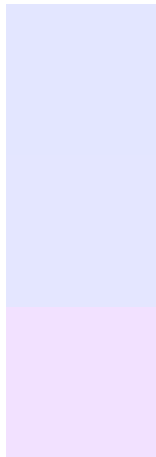


This preview shows how white text looks on a background with the XYZ color 78.0254, 80.1445,

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

78.0254, 80.1445, 105.9648

Protanopia

78.3417, 80.3076, 105.9796

Deuteranopia

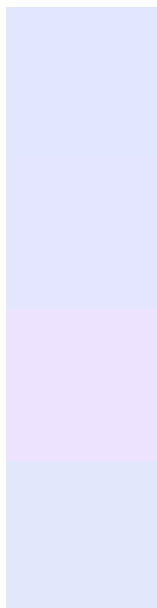
81.5932, 79.9477, 105.7388



Tritanopia

77.0388, 80.1601, 101.0346

Trichromacy



Original Color

78.0254, 80.1445, 105.9648

Protanomaly

78.3417, 80.3076, 105.9796

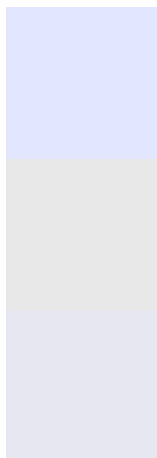
Deuteranomaly

80.4441, 80.1627, 105.8408

Tritanomaly

77.3525, 80.2856, 102.6865

Monochromacy



Original Color

78.0254, 80.1445, 105.9648

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.9372, 80.2661, 93.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0254, 80.1445, 105.9648 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(227, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 230, 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(227, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.0254, 80.1445, 105.9648 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(227, 230, 255) }
```


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

```
.border{ border-color:rgb(227, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0254, 80.1445, 105.9648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 230, 255) }
```

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

```
.background{ background-color: rgb(227,  
230, 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