

Converting Colors

XYZ(78.1936, 79.3889,
104.9303)

Have a look what the booklet for
XYZ(78.1936, 79.3889, 104.9303)
contains.

XYZ(78.2659, 79.4656, 104.9793)	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(78.2659, 79.4656,
104.9793)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E4FE
RGB	230, 228, 254
RGB Percent	90%, 89%, 100%
CMY	0.0980, 0.1059, 0.0039
CMYK	0.09, 0.10, 0.00, 0.00
HSL	245°, 93%, 95%
HSV	245°, 10%, 100%
XYZ	78.2659, 79.4656, 104.9793
YIQ	231.5620, -7.1540, 8.5100

Conversions

Conversions Part 2

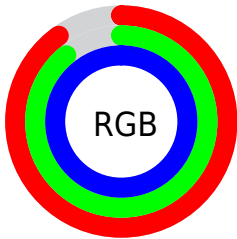
Format	Color
R_{YB}	230, 228, 254
Decimal	15131902
CIE _{Lab}	91.44, 5.53, -12.33
CIE _{LCh}	91, 13.513, 294.140
Yxy	79.4656, 0.2979, 0.3025
Android (android.graphics.Color)	4293321982 (0xFFE6E4FE)
YUV	231.5620, 11.0619, -1.3699
Hunter-Lab	89.1435, 0.7178, -7.4221

Details

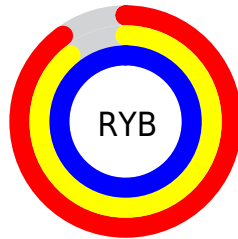
The XYZ color **78.2659, 79.4656, 104.9793** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.5933, 97.1827, 87.4388**, and the grayscale version is **76.3003, 80.2739, 87.4183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4772, 42.9170, 58.8684** is the 20% darker color. If you saturate the color by 10%, you get **64.7597, 62.8825, 102.4915**, and if you desaturate by 10%, it is **93.8156, 98.6302, 107.8601**.

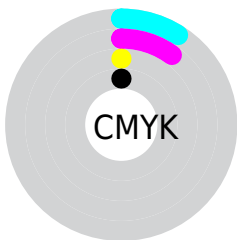
Distribution



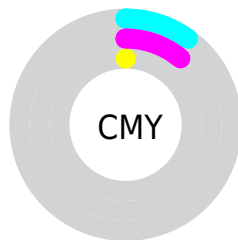
- Red (90%)
- Green (89%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2659, 79.4656, 104.9793 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 78.2659, 79.4656, 104.9793 by changing the saturation by 10% instead.

■ 78.2659, 79.4656,
104.9793

■ 78.2659, 79.4656,
104.9793

477.8954,
493.1300, 597.4240

■ 58.5960, 59.2787,
79.8255

129.8883,
132.6141, 170.0945

■ 42.5331, 42.8375,
59.0494

162.5714,
166.3445, 210.8930

■ 29.7119, 29.7576,
42.2326

200.3230,
205.3583, 257.7435

■ 19.7670, 19.6547,
28.9566

243.5085,
250.0397, 311.0644

■ 12.3330, 12.1443,
18.8027

292.4931,
300.7731, 371.2744

■ 7.0447, 6.8420,
11.3524

347.6422,

■ 3.5367, 3.3635,

357.9431, 438.7920

6.1872

409.3212,
421.9339, 514.0357

■ 1.4435, 1.3243,
2.8886

■ 0.2869, 0.1599,
1.0381

■ 78.2659, 79.4656,
104.9793

■ 78.2659, 79.4656,
104.9793

■ 64.7597, 62.8825,
102.4915

■ 93.8156, 98.6302,
107.8601

■ 53.2053, 48.7611,
100.3748

■ 94.8896, 99.9359,
108.0555

■ 43.5143, 36.9870,
98.6129

■ 35.5889, 27.4327,
97.1865

■ 29.3223, 19.9586,
96.0741

■ 24.5961, 14.4094,
95.2521

■ 21.2761, 10.6078,
94.6933

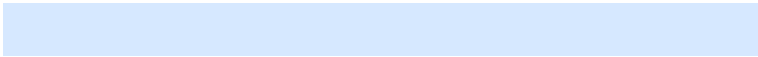
■ 19.2047, 8.3436,
94.3655

■ 18.1682, 7.2995,
94.2186

Harmonies

Analogous

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



74.8566, 79.4656, 106.7603



78.2659, 79.4656, 104.9793



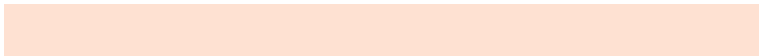
81.0156, 79.4656, 98.0976

Triad

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



78.2659, 79.4656, 104.9793



79.4694, 79.4656, 72.0682



69.1418, 79.4656, 84.6055

Complementary

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



78.2659, 79.4656, 104.9793



89.5933, 97.1827, 87.4388

Split Complementary

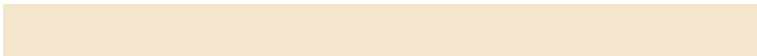
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2971, 79.4656, 75.8995



78.2659, 79.4656, 104.9793



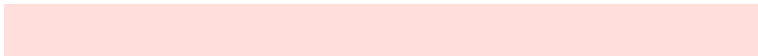
76.2068, 79.4656, 69.0224

Square

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



78.2659, 79.4656, 104.9793



81.7251, 79.4656, 79.0096



72.8580, 79.4656, 70.3702



69.6556, 79.4656, 94.5014

Rectangle

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



78.2659, 79.4656, 104.9793



82.0696, 79.4656, 91.8032



72.8580, 79.4656, 70.3702



69.3467, 79.4656, 81.4522

Sweetspot

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



78.2683, 79.4689, 104.9811



90.1071, 93.9008, 107.9833



84.7810, 93.4402, 107.3345



19.0108, 19.7585, 23.0617



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.



78.2683, 79.4689, 104.9811



76.4131, 77.0369, 105.4499



82.5058, 81.6535, 105.1794



17.1322, 17.4444, 22.7141



9.6235, 3.8716, 49.6747



0.9796, 0.3989, 4.8386

Inverse Universe

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



86.1900, 83.5895, 103.6913



85.6772, 81.8561, 103.9205



85.1346, 94.8841, 87.2301



18.7289, 18.2749, 22.4556



29.4410, 14.2657, 42.5683



2.8838, 1.3959, 4.2353

Previews

White Background



This preview shows how the XYZ color 78.2659, 79.4656, 104.9793 looks on a white background.

Color Contrast Check

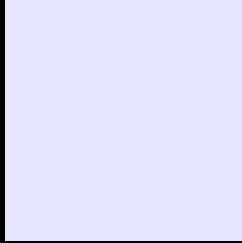
Large Text (above 18pt) WCAG AA × Fail

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 78.2659, 79.4656, 104.9793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

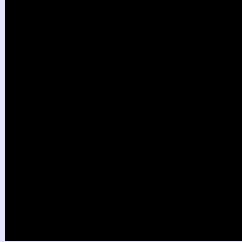
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.2659, 79.4656, 104.9793

Background



This preview shows how black text looks on a background with the XYZ color 78.2659, 79.4656, 104.9793.



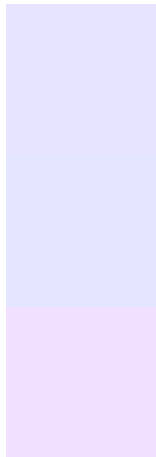
This preview shows how white text looks on a background with the XYZ color 78.2659, 79.4656,

104.9793.

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

78.2659, 79.4656, 104.9793

Protanopia

77.5873, 79.5253, 105.0266

Deuteranopia

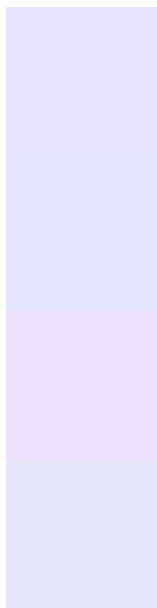
80.9813, 79.2321, 105.6329



Tritanopia

77.1209, 79.4120, 99.2590

Trichromacy



Original Color

78.2659, 79.4656, 104.9793

Protanomaly

77.9036, 79.6884, 105.0414

Deuteranomaly

79.9003, 79.0750, 105.6595

Tritanomaly

77.5877, 79.5988, 101.7173

Monochromacy



Original Color

78.2659, 79.4656, 104.9793

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.2591, 80.4320, 93.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2659, 79.4656, 104.9793 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(230, 228, 254) looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 254)  
}
```

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(230, 228, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 254) }
```

Border

The CSS property to change the border of an element to XYZ 78.2659, 79.4656, 104.9793 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(230, 228, 254) }
```


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

```
.border{ border-color:rgb(230, 228, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 228, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 228, 254);  
box-shadow:4px 4px 4px 4px rgb(230, 228,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2659, 79.4656, 104.9793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 254) }
```

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

```
.background{ background-color: rgb(230,  
228, 254) }
```

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