

Converting Colors

XYZ(16.1726, 10.8039, 58.9874)

Have a look what the booklet for
XYZ(16.1726, 10.8039, 58.9874)
contains.

XYZ(16.1341, 10.7795, 58.9879)	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(16.1341, 10.7795,
58.9879)**

Conversions

Conversions Part 1

Format	Color
Hex	474BCD
RGB	71, 75, 205
RGB Percent	28%, 29%, 80%
CMY	0.7215, 0.7059, 0.1961
CMYK	0.65, 0.63, 0.00, 0.20
HSL	238°, 57%, 54%
HSV	238°, 65%, 80%
XYZ	16.1341, 10.7795, 58.9879
YIQ	88.6240, -44.1140, 39.5820

Conversions

Conversions Part 2

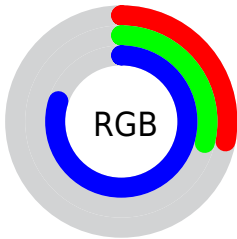
Format	Color
R_{YB}	71, 75, 205
Decimal	4672461
CIE _{Lab}	39.21, 38.89, -67.86
CIE _{LCh}	39, 78.210, 299.816
Yxy	10.7795, 0.1878, 0.1255
Android (android.graphics.Color)	4282862541 (0xFF474BCD)
YUV	88.6240, 57.3734, -15.4562
Hunter-Lab	32.8321, 30.2607, -83.5409

Details

The XYZ color **16.1341, 10.7795, 58.9879** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **47.2035, 55.2122, 14.1318**, and the grayscale version is **9.2980, 9.7822, 10.6528**.

A 20% lighter version of the original color is **35.0892, 26.7036, 97.9127**, and **5.9950, 3.1820, 29.1524** is the 20% darker color. If you saturate the color by 10%, you get **13.7315, 7.8417, 58.5478**, and if you desaturate by 10%, it is **19.4664, 14.8223, 59.5929**.

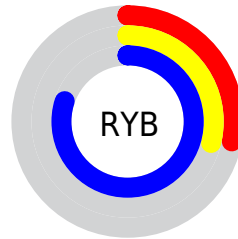
Distribution



Red (28%)

Green (29%)

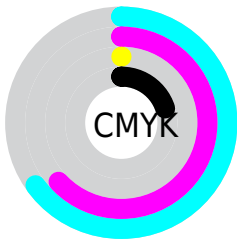
Blue (80%)



Red (28%)

Yellow (29%)

Blue (80%)

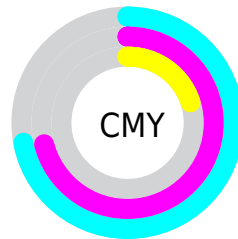


Cyan (65%)

Magenta (63%)

Yellow (0%)

Black (20%)



Cyan (72%)

Magenta (71%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1341, 10.7795, 58.9879 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 16.1341, 10.7795, 58.9879 by changing the saturation by 10% instead.

■ 16.1341, 10.7795,
58.9879

■ 16.1341, 10.7795,
58.9879

223.3866,
196.1485, 438.5577

■ 9.7105, 5.9188,
42.1834

■ 36.3864, 27.2517,
104.8890

■ 5.2683, 2.7957,
28.9183

■ 50.9459, 39.6320,
134.8228

■ 2.4419, 1.0260,
18.7740

■ 68.9481, 55.2875,
169.9700

■ 0.8660, 0.0000,
11.3319

■ 90.7583, 74.6027,
210.7493

■ 0.0000, 0.0000,
6.1736

■ 116.7419, 97.9621,
257.5792

■ 0.0000, 0.0000,
2.8804

147.2642,

■ 0.0000, 0.0000,

125.7499, 310.8782

1.0339

182.6907,
158.3505, 371.0648

■ 0.0000, 0.0000,
0.0000

■ 16.1341, 10.7795,
58.9879

■ 16.1341, 10.7795,
58.9879

■ 13.7315, 7.8417,
58.5478

■ 19.4664, 14.8223,
59.5929

■ 12.1627, 5.8990,
58.2555

■ 23.8082, 20.0641,
60.3758

■ 11.3141, 4.8202,
58.0920

■ 29.2327, 26.5898,
61.3495

■ 11.0858, 4.5403,
58.0500

■ 35.8058, 34.4766,
62.5254

■ 43.5884, 43.7952,
63.9139

■ 52.6367, 54.6118,
65.5248

■ 63.0036, 66.9882,
67.3673

■ 74.7391, 80.9829,
69.4500

■ 87.7029, 96.5545,
71.7723

Harmonies

Analogous

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



10.2131, 10.7795, 70.9527



16.1341, 10.7795, 58.9879



21.6940, 10.7795, 33.1208

Triad

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



16.1341, 10.7795, 58.9879



16.2104, 10.7795, 0.0000



3.0999, 10.7795, 11.6442

Complementary

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



16.1341, 10.7795, 58.9879



47.2035, 55.2122, 14.1318

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.



3.7591, 10.7795, 2.3724



16.1341, 10.7795, 58.9879



10.2781, 10.7795, 0.0000

Square

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



16.1341, 10.7795, 58.9879



21.7477, 10.7795, 2.4284



5.9988, 10.7795, 0.0000



3.7424, 10.7795, 32.7998

Rectangle

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



16.1341, 10.7795, 58.9879



23.7520, 10.7795, 17.6320



5.9988, 10.7795, 0.0000



3.1722, 10.7795, 7.3286

Sweetspot

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



16.1347, 10.7798, 58.9882



64.9075, 63.9687, 103.5339



34.9185, 49.1979, 62.6272



13.1326, 12.7814, 22.0248



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.



16.1347, 10.7798, 58.9882



21.4104, 11.5114, 95.7012



23.0314, 13.9458, 59.2358



10.6281, 10.8966, 14.1135



6.9136, 2.8512, 36.1422



0.3663, 0.1663, 1.8677

Inverse Universe

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



28.7007, 17.9948, 8.6171



43.5292, 24.4461, 6.9851



34.2054, 49.9104, 13.7936



11.2256, 11.2190, 11.7228



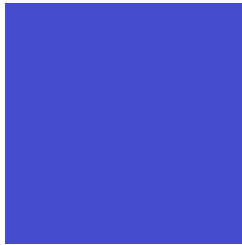
15.7006, 8.0908, 0.8759



0.8148, 0.4193, 0.0707

Previews

White Background



This preview shows how the XYZ color 16.1341, 10.7795, 58.9879 looks on a white background.

Color Contrast Check

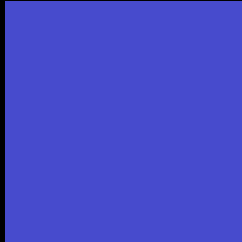
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.1341, 10.7795, 58.9879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

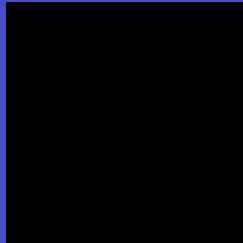
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1341, 10.7795, 58.9879

Background



This preview shows how black text looks on a background with the XYZ color 16.1341, 10.7795, 58.9879.



This preview shows how white text looks on a background with the XYZ color 16.1341, 10.7795,

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

16.1341, 10.7795, 58.9879

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.4357, 10.5786, 35.2101



Tritanopia

7.5658, 10.6285, 16.4046

Trichromacy



Original Color

16.1341, 10.7795, 58.9879

Protanomaly

13.3339, 10.4553, 52.3542

Deuteranomaly

11.7700, 10.2103, 42.9454

Tritanomaly

9.3640, 9.9182, 28.2089

Monochromacy



Original Color

16.1341, 10.7795, 58.9879

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.7467, 9.7732, 22.7927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1341, 10.7795, 58.9879 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(71, 75, 205)` looks like.

```
.text, #text, p{  
    color:rgb(71, 75, 205)  
}
```

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(71, 75, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 75, 205) }
```

Border

The CSS property to change the border of an element to XYZ 16.1341, 10.7795, 58.9879 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(71, 75, 205) }
```


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

```
.border{ border-color:rgb(71, 75, 205) }
```

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

Here you see how a box with a 4 pixel rgb(71, 75, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 75, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 75, 205);  
box-shadow:4px 4px 4px 4px rgb(71, 75,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1341, 10.7795, 58.9879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 75, 205) }
```

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

```
.background{ background-color: rgb(71, 75,  
205) }
```

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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