

Converting Colors

XYZ(18.0733, 14.6431, 54.0981)

Have a look what the booklet for
XYZ(18.0733, 14.6431, 54.0981)
contains.

XYZ(18.0778, 14.6522, 54.0999)	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(18.0778, 14.6522,
54.0999)**

Conversions

Conversions Part 1

Format	Color
Hex	5562C4
RGB	85, 98, 196
RGB Percent	33%, 38%, 77%
CMY	0.6666, 0.6157, 0.2314
CMYK	0.57, 0.50, 0.00, 0.23
HSL	233°, 48%, 55%
HSV	233°, 57%, 77%
XYZ	18.0778, 14.6522, 54.0999
YIQ	105.2850, -39.2060, 27.7220

Conversions

Conversions Part 2

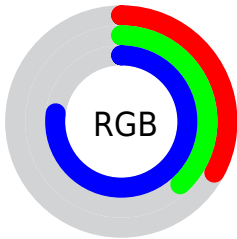
Format	Color
R_{YB}	85, 97, 196
Decimal	5595844
CIE _{Lab}	45.15, 23.95, -52.97
CIE _{LCh}	45, 58.132, 294.330
Yxy	14.6522, 0.2082, 0.1687
Android (android.graphics.Color)	4283785924 (0xFF5562C4)
YUV	105.2850, 44.7225, -17.7899
Hunter-Lab	38.2782, 17.3141, -57.0019

Details

The XYZ color **18.0778, 14.6522, 54.0999** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **41.3395, 46.2607, 15.3458**, and the grayscale version is **13.3952, 14.0928, 15.3471**.

A 20% lighter version of the original color is **39.6472, 34.1113, 97.4230**, and **6.1737, 4.4502, 25.7329** is the 20% darker color. If you saturate the color by 10%, you get **15.0906, 10.9630, 53.5456**, and if you desaturate by 10%, it is **21.9090, 19.2964, 54.7947**.

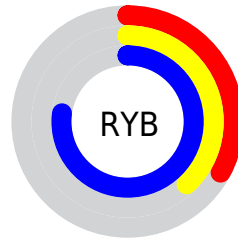
Distribution



Red (33%)

Green (38%)

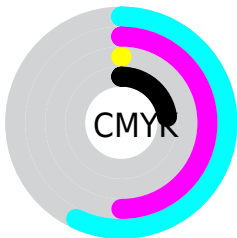
Blue (77%)



Red (33%)

Yellow (38%)

Blue (77%)

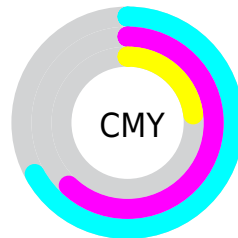


Cyan (57%)

Magenta (50%)

Yellow (0%)

Black (23%)



Cyan (67%)

Magenta (62%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0778, 14.6522, 54.0999 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 18.0778, 14.6522, 54.0999 by changing the saturation by 10% instead.

■ 18.0778, 14.6522,
54.0999

■ 18.0778, 14.6522,
54.0999

234.3463,
221.2513, 419.6762

■ 11.1059, 8.5757,
38.2878

■ 39.6989, 34.2419,
97.6788

■ 6.2059, 4.4655,
25.9026

■ 55.0788, 48.5238,
126.2827

■ 3.0125, 1.9372,
16.5257

■ 73.9920, 66.3096,
159.9876

■ 1.1604, 0.5706,
9.7385

■ 96.8040, 87.9838,
199.2120

■ 0.0748, 0.0000,
5.1226

123.8801,
113.9306, 244.3746

■ 0.0000, 0.0000,
2.2594

155.5856,

■ 0.0000, 0.0000,

144.5346, 295.8938

0.7083

192.2859,
180.1800, 354.1881

■ 0.0000, 0.0000,
0.0000

■ 18.0778, 14.6522,
54.0999

■ 18.0778, 14.6522,
54.0999

■ 15.0906, 10.9630,
53.5456

■ 21.9090, 19.2964,
54.7947

■ 12.8810, 8.1603,
53.1211

■ 26.6402, 24.9548,
55.6375

■ 11.3755, 6.1685,
52.8160

■ 32.3246, 31.6835,
56.6367

■ 10.4805, 4.8962,
52.6175

■ 39.0107, 39.5338,
57.7996

■ 10.2692, 4.5963,
52.5708

■ 46.7438, 48.5539,
59.1330

■ 55.5664, 58.7892,
60.6437

■ 65.5185, 70.2825,
62.3375

■ 76.6383, 83.0746,
64.2206

■ 86.5657, 95.9693,
66.1863

Harmonies

Analogous

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



13.0358, 14.6522, 59.2536



18.0778, 14.6522, 54.0999



22.8328, 14.6522, 36.8180

Triad

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



18.0778, 14.6522, 54.0999



20.0198, 14.6522, 2.6848



6.6227, 14.6522, 13.4860

Complementary

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



18.0778, 14.6522, 54.0999



41.3395, 46.2607, 15.3458

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.



7.7022, 14.6522, 4.9833



18.0778, 14.6522, 54.0999



14.8568, 14.6522, 1.4670

Square

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



18.0778, 14.6522, 54.0999



24.1221, 14.6522, 7.3648



10.4649, 14.6522, 1.9660



7.1050, 14.6522, 29.4815

Rectangle

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



18.0778, 14.6522, 54.0999



24.8149, 14.6522, 24.1952



10.4649, 14.6522, 1.9660



6.8055, 14.6522, 9.8351

Sweetspot

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



18.0784, 14.6527, 54.1003



69.8428, 70.6494, 104.5633



31.8480, 44.7561, 50.7846



14.3930, 14.4704, 22.2844



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.



18.0784, 14.6527, 54.1003



26.2368, 18.4795, 96.7918



21.7733, 14.8965, 53.9526



9.6212, 9.9337, 12.6951



6.6319, 3.0202, 33.7900



0.3187, 0.1949, 1.4707

Inverse Universe

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



28.2187, 19.1155, 13.7579



46.6206, 28.1918, 15.5294



34.9556, 47.1346, 15.8510



10.1201, 10.0966, 10.7230



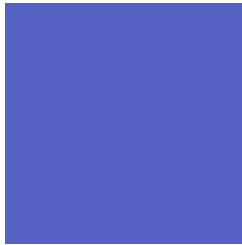
14.7434, 7.5871, 1.2950



0.6533, 0.3343, 0.1416

Previews

White Background



This preview shows how the XYZ color 18.0778, 14.6522, 54.0999 looks on a white background.

Color Contrast Check

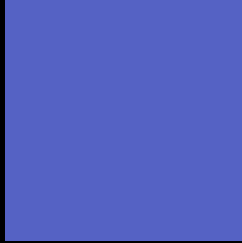
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0778, 14.6522, 54.0999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

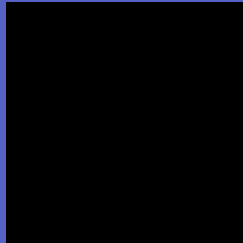
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0778, 14.6522, 54.0999

Background



This preview shows how black text looks on a background with the XYZ color 18.0778, 14.6522, 54.0999.



This preview shows how white text looks on a background with the XYZ color 18.0778, 14.6522,

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

18.0778, 14.6522, 54.0999

Protanopia

16.8611, 14.6744, 57.2021

Deuteranopia

14.8770, 14.5309, 51.8898



Tritanopia

11.4562, 14.5866, 21.2805

Trichromacy



Original Color

18.0778, 14.6522, 54.0999

Protanomaly

17.1425, 14.5547, 55.9387

Deuteranomaly

15.1410, 14.0422, 52.3645

Tritanomaly

13.2884, 14.3326, 30.9203

Monochromacy



Original Color

18.0778, 14.6522, 54.0999

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.3758, 13.9344, 25.9767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0778, 14.6522, 54.0999 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(85, 98, 196)` looks like.

```
.text, #text, p{  
    color:rgb(85, 98, 196)  
}
```

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(85, 98, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 98, 196) }
```

Border

The CSS property to change the border of an element to XYZ 18.0778, 14.6522, 54.0999 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(85, 98, 196) }
```


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

```
.border{ border-color:rgb(85, 98, 196) }
```

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

Here you see how a box with a 4 pixel rgb(85, 98, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 98, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 98, 196);  
box-shadow:4px 4px 4px 4px rgb(85, 98,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0778, 14.6522, 54.0999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 98, 196) }
```

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

```
.background{ background-color: rgb(85, 98,  
196) }
```

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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