

Converting Colors

XYZ(14.3824, 11.6181, 38.6770)

Have a look what the booklet for
XYZ(14.3824, 11.6181, 38.6770)
contains.

XYZ(14.4066, 11.6698, 38.5390)	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(14.4066, 11.6698,
38.5390)**

Conversions

Conversions Part 1

Format	Color
Hex	5757A8
RGB	87, 87, 168
RGB Percent	34%, 34%, 66%
CMY	0.6588, 0.6588, 0.3412
CMYK	0.48, 0.48, 0.00, 0.34
HSL	240°, 32%, 50%
HSV	240°, 48%, 66%
XYZ	14.4066, 11.6698, 38.5390
YIQ	96.2340, -26.0010, 25.1910

Conversions

Conversions Part 2

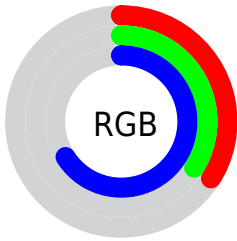
Format	Color
R_{YB}	87, 87, 168
Decimal	5724072
CIE _{Lab}	40.69, 22.25, -43.74
CIE _{LCh}	41, 49.074, 296.965
Yxy	11.6698, 0.2230, 0.1806
Android (android.graphics.Color)	4283914152 (0xFF5757A8)
YUV	96.2340, 35.3806, -8.0982
Hunter-Lab	34.1611, 15.4961, -42.9755

Details

The XYZ color **14.4066, 11.6698, 38.5390** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **31.8710, 37.0182, 14.4825**, and the grayscale version is **11.0967, 11.6746, 12.7137**.

A 20% lighter version of the original color is **33.3847, 28.9359, 74.3466**, and **4.4579, 3.1698, 16.5965** is the 20% darker color. If you saturate the color by 10%, you get **11.8113, 8.5424, 38.0724**, and if you desaturate by 10%, it is **17.6844, 15.6192, 39.1288**.

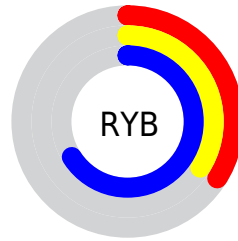
Distribution



Red (34%)

Green (34%)

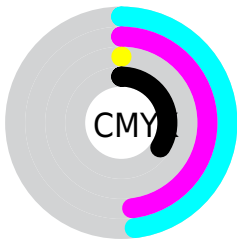
Blue (66%)



Red (34%)

Yellow (34%)

Blue (66%)

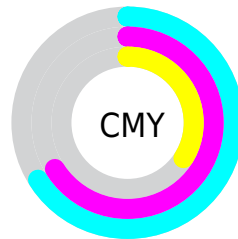


Cyan (48%)

Magenta (48%)

Yellow (0%)

Black (34%)



Cyan (66%)

Magenta (66%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4066, 11.6698, 38.5390 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 14.4066, 11.6698, 38.5390 by changing the saturation by 10% instead.

■ 14.4066, 11.6698,
38.5390

■ 14.4066, 11.6698,
38.5390

213.2062,
202.2069, 355.2938

■ 8.4876, 6.5193,
26.0962

■ 33.3890, 28.8923,
74.1461

■ 4.4629, 3.1633,
16.6692

■ 47.1832, 41.7330,
98.1475

■ 1.9672, 1.2176,
9.8395

■ 64.3331, 57.9059,
126.8388

■ 0.6154, 0.0760,
5.1884

■ 85.2040, 77.7953,
160.6387

■ 0.0000, 0.0000,
2.2976

■ 110.1615,
101.7858, 199.9656

■ 0.0000, 0.0000,
0.7299

139.5708,

■ 0.0000, 0.0000,

130.2616, 245.2380

0.0000

173.7972,
163.6071, 296.8746

■ 14.4066, 11.6698,
38.5390

■ 14.4066, 11.6698,
38.5390

■ 11.8113, 8.5424,
38.0724

■ 17.6844, 15.6192,
39.1288

■ 9.8490, 6.1780,
37.7194

■ 21.6866, 20.4415,
39.8487

■ 8.4660, 4.5117,
37.4707

■ 26.4534, 26.1853,
40.7061

■ 7.5992, 3.4672,
37.3148

■ 32.0217, 32.8948,
41.7077

■ 7.1381, 2.9117,
37.2319

■ 38.4260, 40.6116,
42.8596

■ 7.0680, 2.8272,
37.2192

■ 45.6988, 49.3750,
44.1678

■ 53.8708, 59.2218,
45.6377

■ 62.9712, 70.1874,
47.2746

■ 73.0281, 82.3054,
49.0836

Harmonies

Analogous

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



10.7417, 11.6698, 43.0049



14.4066, 11.6698, 38.5390



17.6908, 11.6698, 26.2575

Triad

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



14.4066, 11.6698, 38.5390



15.1486, 11.6698, 2.4672



5.6670, 11.6698, 11.7197

Complementary

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



14.4066, 11.6698, 38.5390



31.8710, 37.0182, 14.4825

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.



6.3795, 11.6698, 4.8677



14.4066, 11.6698, 38.5390



11.4494, 11.6698, 1.5749

Square

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



14.4066, 11.6698, 38.5390



18.1783, 11.6698, 5.8535



8.3290, 11.6698, 2.1427



6.1379, 11.6698, 23.5114

Rectangle

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



14.4066, 11.6698, 38.5390



18.9598, 11.6698, 17.5308



8.3290, 11.6698, 2.1427



5.7717, 11.6698, 8.8598

Sweetspot

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



14.4071, 11.6702, 38.5393



51.8239, 52.1204, 74.5539



25.0013, 32.8589, 42.0708



10.8527, 10.8266, 16.1699



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.4071, 11.6702, 38.5393



21.0867, 15.0840, 69.0252



19.3034, 14.1943, 38.7684



7.1318, 7.3006, 9.4516



5.3374, 2.1350, 28.1063



0.1299, 0.0519, 0.6838

Inverse Universe

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



26.6245, 17.9685, 39.1097



45.9652, 27.9094, 70.1864



24.5503, 33.2442, 14.1399



7.8419, 7.6666, 9.4848



17.5316, 8.4214, 28.6748



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 14.4066, 11.6698, 38.5390 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 14.4066, 11.6698, 38.5390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

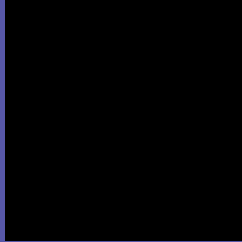
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4066, 11.6698, 38.5390

Background



This preview shows how black text looks on a background with the XYZ color 14.4066, 11.6698, 38.5390.



This preview shows how white text looks on a background with the XYZ color 14.4066, 11.6698,

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

14.4066, 11.6698, 38.5390

Protanopia

13.1852, 11.7254, 41.6127

Deuteranopia

12.0721, 11.7740, 37.7127



Tritanopia

9.9398, 11.7136, 16.2051

Trichromacy



Original Color

14.4066, 11.6698, 38.5390

Protanomaly

13.5022, 11.6540, 40.5675

Deuteranomaly

12.6343, 11.5183, 38.1166

Tritanomaly

11.1926, 11.5139, 22.7516

Monochromacy



Original Color

14.4066, 11.6698, 38.5390

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.9414, 11.5610, 20.0145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4066, 11.6698, 38.5390 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(87, 87, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 87, 168)  
}
```

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(87, 87, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 87, 168) }
```

Border

The CSS property to change the border of an element to XYZ 14.4066, 11.6698, 38.5390 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(87, 87, 168) }
```


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

```
.border{ border-color:rgb(87, 87, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 87, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 87, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 87, 168);  
box-shadow:4px 4px 4px 4px rgb(87, 87,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4066, 11.6698, 38.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 87, 168) }
```

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

```
.background{ background-color: rgb(87, 87,  
168) }
```

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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