

Converting Colors

XYZ(16.0725, 11.7397, 38.3684)

Have a look what the booklet for
XYZ(16.0725, 11.7397, 38.3684)
contains.

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Color

**XYZ(16.1209, 11.7526,
38.4646)**

Conversions

Conversions Part 1

Format	Color
Hex	6C50A8
RGB	108, 80, 168
RGB Percent	42%, 31%, 66%
CMY	0.5765, 0.6863, 0.3412
CMYK	0.36, 0.52, 0.00, 0.34
HSL	259°, 35%, 49%
HSV	259°, 52%, 66%
XYZ	16.1209, 11.7526, 38.4646
YIQ	98.4040, -11.5600, 33.3040

Conversions

Conversions Part 2

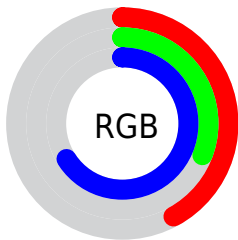
Format	Color
R _Y B	108, 80, 168
Decimal	7098536
CIE Lab	40.82, 31.86, -43.42
CIE LCh	41, 53.850, 306.268
Yxy	11.7526, 0.2430, 0.1772
Android (android.graphics.Color)	4285288616 (0xFF6C50A8)
YUV	98.4040, 34.3108, 8.4157
Hunter-Lab	34.2821, 23.9448, -42.5261

Details

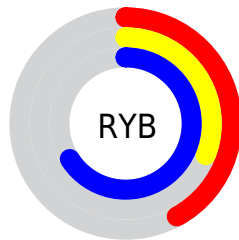
The XYZ color **16.1209, 11.7526, 38.4646** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **26.2658, 34.1600, 12.7989**, and the grayscale version is **11.6296, 12.2353, 13.3242**.

A 20% lighter version of the original color is **36.3375, 29.0285, 74.2089**, and **5.2421, 3.1941, 16.5599** is the 20% darker color. If you saturate the color by 10%, you get **13.7384, 8.9212, 38.0439**, and if you desaturate by 10%, it is **18.9949, 15.2943, 38.9970**.

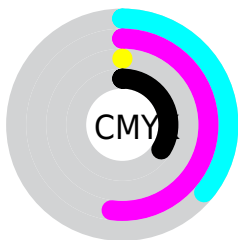
Distribution



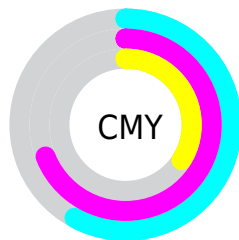
- Red (42%)
- Green (31%)
- Blue (66%)



- Red (42%)
- Yellow (31%)
- Blue (66%)



- Cyan (36%)
- Magenta (52%)
- Yellow (0%)
- Black (34%)



- Cyan (58%)
- Magenta (69%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1209, 11.7526, 38.4646 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 16.1209, 11.7526, 38.4646 by changing the saturation by 10% instead.

■ 16.1209, 11.7526,
38.4646

■ 16.1209, 11.7526,
38.4646

223.3105,
202.7605, 354.9666

■ 9.7011, 6.5754,
26.0389

■ 36.3637, 29.0437,
74.0310

■ 5.2620, 3.1980,
16.6267

■ 50.9175, 41.9265,
98.0087

■ 2.4381, 1.2360,
9.8095

■ 68.9133, 58.1465,
126.6742

■ 0.8642, 0.0908,
5.1689

■ 90.7165, 78.0883,
160.4459

■ 0.0000, 0.0000,
2.2862

■ 116.6925,
102.1362, 199.7425

■ 0.0000, 0.0000,
0.7235

147.2065,

■ 0.0000, 0.0000,

130.6746, 244.9825

0.0000

182.6241,

164.0879, 296.5843

■ 16.1209, 11.7526,
38.4646

■ 16.1209, 11.7526,
38.4646

■ 13.7384, 8.9212,
38.0439

■ 18.9949, 15.2943,
38.9970

■ 11.8156, 6.7484,
37.7258

■ 22.3867, 19.5903,
39.6474

■ 10.3186, 5.1773,
37.5015

■ 26.3222, 24.6826,
40.4229

■ 9.2076, 4.1401,
37.3598

■ 30.8252, 30.6097,
41.3296

■ 8.5603, 3.5965,
37.2890

■ 35.9178, 37.4074,
42.3733

■ 41.6211, 45.1096,
43.5594

■ 47.9551, 53.7481,
44.8929

■ 54.9388, 63.3533,
46.3788

■ 62.5904, 73.9544,
48.0218

Harmonies

Analogous

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



11.9945, 11.7526, 47.3215



16.1209, 11.7526, 38.4646



19.3645, 11.7526, 23.3066

Triad

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



16.1209, 11.7526, 38.4646



14.4060, 11.7526, 1.5690



5.3304, 11.7526, 15.2417

Complementary

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



16.1209, 11.7526, 38.4646



26.2658, 34.1600, 12.7989

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.



5.6918, 11.7526, 6.0441



16.1209, 11.7526, 38.4646



10.3851, 11.7526, 1.1943

Square

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



16.1209, 11.7526, 38.4646



18.2266, 11.7526, 3.9325



7.3540, 11.7526, 2.2091



6.2207, 11.7526, 29.7794

Rectangle

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



16.1209, 11.7526, 38.4646



20.2544, 11.7526, 14.2197



7.3540, 11.7526, 2.2091



5.3131, 11.7526, 11.4717

Sweetspot

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



16.1214, 11.7530, 38.4649



52.6135, 51.1518, 74.3253



19.7740, 23.3281, 40.5066



11.1183, 10.6893, 16.1294



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.



16.1214, 11.7530, 38.4649



24.2512, 15.4039, 68.9202



22.8608, 15.2273, 38.7803



7.3481, 7.4121, 9.4617



6.5125, 2.7408, 28.1613



0.2111, 0.0938, 0.6876

Inverse Universe

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



23.7509, 15.9558, 26.6385



40.0277, 24.1209, 43.2775



20.2888, 31.0787, 12.5192



7.7388, 7.6254, 8.9417



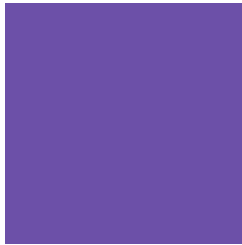
14.5357, 7.2230, 12.8984



0.3753, 0.1844, 0.4280

Previews

White Background



This preview shows how the XYZ color 16.1209, 11.7526, 38.4646 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 16.1209, 11.7526, 38.4646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

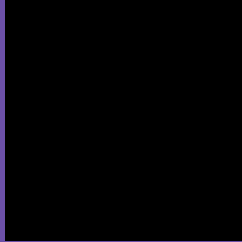
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1209, 11.7526, 38.4646

Background



This preview shows how black text looks on a background with the XYZ color 16.1209, 11.7526, 38.4646.



This preview shows how white text looks on a background with the XYZ color 16.1209, 11.7526,

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

16.1209, 11.7526, 38.4646

Protanopia

13.6245, 11.8591, 45.8269

Deuteranopia

12.1022, 11.8106, 36.7638



Tritanopia

11.2977, 11.7449, 14.7682

Trichromacy



Original Color

16.1209, 11.7526, 38.4646

Protanomaly

13.9513, 11.4559, 43.0709

Deuteranomaly

12.9869, 11.4640, 37.1256

Tritanomaly

12.6325, 11.4973, 21.6321

Monochromacy



Original Color

16.1209, 11.7526, 38.4646

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7957, 11.7370, 20.3300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1209, 11.7526, 38.4646 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(108, 80, 168)` looks like.

```
.text, #text, p{  
    color:rgb(108, 80, 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(108, 80, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 80, 168) }
```

Border

The CSS property to change the border of an element to XYZ 16.1209, 11.7526, 38.4646 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(108, 80, 168) }
```


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

```
.border{ border-color:rgb(108, 80, 168) }
```

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

Here you see how a box with a 4 pixel rgb(108, 80, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 80, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 80, 168);  
box-shadow:4px 4px 4px 4px rgb(108, 80,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1209, 11.7526, 38.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 80, 168) }
```

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

```
.background{ background-color: rgb(108, 80,  
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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