

Converting Colors

XYZ(16.4859, 12.4060, 38.1534)

Have a look what the booklet for
XYZ(16.4859, 12.4060, 38.1534)
contains.

XYZ(16.4520, 12.3819, 38.0820)	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(16.4520, 12.3819,
38.0820)**

Conversions

Conversions Part 1

Format	Color
Hex	6D54A7
RGB	109, 84, 167
RGB Percent	43%, 33%, 65%
CMY	0.5725, 0.6706, 0.3451
CMYK	0.35, 0.50, 0.00, 0.35
HSL	258°, 33%, 49%
HSV	258°, 50%, 65%
XYZ	16.4520, 12.3819, 38.0820
YIQ	100.9370, -11.7430, 31.1130

Conversions

Conversions Part 2

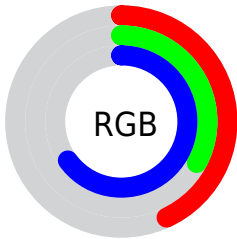
Format	Color
R _Y B	109, 84, 167
Decimal	7165095
CIE Lab	41.82, 29.44, -41.23
CIE LCh	42, 50.662, 305.532
Yxy	12.3819, 0.2459, 0.1850
Android (android.graphics.Color)	4285355175 (0xFF6D54A7)
YUV	100.9370, 32.5691, 7.0713
Hunter-Lab	35.1879, 21.8782, -39.5348

Details

The XYZ color **16.4520, 12.3819, 38.0820** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **26.5745, 34.0285, 13.5555**, and the grayscale version is **12.2747, 12.9139, 14.0633**.

A 20% lighter version of the original color is **36.9486, 30.1644, 73.6870**, and **5.4177, 3.4710, 16.3040** is the 20% darker color. If you saturate the color by 10%, you get **13.9655, 9.4000, 37.6377**, and if you desaturate by 10%, it is **19.4391, 16.0809, 38.6388**.

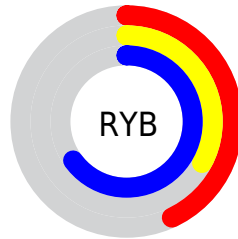
Distribution



Red (43%)

Green (33%)

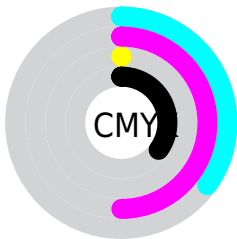
Blue (65%)



Red (43%)

Yellow (33%)

Blue (65%)

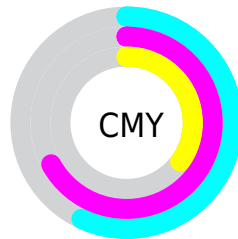


Cyan (35%)

Magenta (50%)

Yellow (0%)

Black (35%)



Cyan (57%)

Magenta (67%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4520, 12.3819, 38.0820 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 16.4520, 12.3819, 38.0820 by changing the saturation by 10% instead.

■ 16.4520, 12.3819,
38.0820

■ 16.4520, 12.3819,
38.0820

225.2126,
206.9174, 353.2803

■ 9.9374, 7.0043,
25.7440

■ 36.9323, 30.1888,
73.4386

■ 5.4194, 3.4648,
16.4082

■ 51.6287, 43.3869,
97.2943

■ 2.5327, 1.3789,
9.6560

■ 69.7831, 59.9606,
125.8264

■ 0.9118, 0.2011,
5.0689

■ 91.7609, 80.2943,
159.4533

■ 0.0000, 0.0000,
2.2283

■ 117.9274,
104.7725, 198.5936

■ 0.0000, 0.0000,
0.6906

148.6479,

■ 0.0000, 0.0000,

133.7795, 243.6658

0.0000

184.2879,

167.6996, 295.0886

■ 16.4520, 12.3819,
38.0820

■ 16.4520, 12.3819,
38.0820

■ 13.9655, 9.4000,
37.6377

■ 19.4391, 16.0809,
38.6388

■ 11.9483, 7.0855,
37.2973

■ 22.9526, 20.5397,
39.3142

■ 10.3678, 5.3840,
37.0522

■ 27.0179, 25.7988,
40.1151

■ 9.1856, 4.2318,
36.8921

■ 31.6586, 31.8958,
41.0473

■ 8.3283, 3.4958,
36.7952

■ 36.8967, 38.8657,
42.1166

■ 8.3054, 3.4758,
36.7926

■ 42.7529, 46.7414,
43.3281

■ 49.2472, 55.5542,
44.6868

■ 56.3984, 65.3338,
46.1976

■ 64.2246, 76.1088,
47.8649

Harmonies

Analogous

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



12.4742, 12.3819, 46.0365



16.4520, 12.3819, 38.0820



19.5848, 12.3819, 23.9135

Triad

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



16.4520, 12.3819, 38.0820



14.9987, 12.3819, 2.0926



5.9727, 12.3819, 15.5620

Complementary

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



16.4520, 12.3819, 38.0820



26.5745, 34.0285, 13.5555

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.



6.3701, 12.3819, 6.6344



16.4520, 12.3819, 38.0820



11.0902, 12.3819, 1.6267

Square

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



16.4520, 12.3819, 38.0820



18.6291, 12.3819, 4.7168



8.0708, 12.3819, 2.7186



6.8407, 12.3819, 29.3034

Rectangle

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



16.4520, 12.3819, 38.0820



20.4724, 12.3819, 15.1474



8.0708, 12.3819, 2.7186



5.9653, 12.3819, 11.9430

Sweetspot

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



16.4525, 12.3824, 38.0823



51.9377, 50.8499, 72.5529



20.3195, 24.0510, 40.1308



11.2532, 10.8949, 16.1620



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.



16.4525, 12.3824, 38.0823



24.4612, 16.1906, 67.3111



22.7971, 15.6531, 38.3792



7.3364, 7.4060, 9.4612



6.3998, 2.6827, 28.1560



0.2068, 0.0916, 0.6874

Inverse Universe

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



23.9895, 16.5095, 27.5137



39.9185, 24.6788, 44.5571



20.7415, 31.0215, 13.2825



7.7442, 7.6275, 8.9702



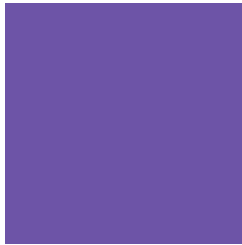
14.6605, 7.2729, 13.5557



0.3777, 0.1854, 0.4405

Previews

White Background



This preview shows how the XYZ color 16.4520, 12.3819, 38.0820 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 16.4520, 12.3819, 38.0820 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 16.4520, 12.3819, 38.0820

Background



This preview shows how black text looks on a background with the XYZ color 16.4520, 12.3819, 38.0820.



This preview shows how white text looks on a background with the XYZ color 16.4520, 12.3819,

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

16.4520, 12.3819, 38.0820

Protanopia

14.0645, 12.5200, 44.3231

Deuteranopia

12.7936, 12.4448, 36.8497



Tritanopia

11.8872, 12.4511, 15.4124

Trichromacy



Original Color

16.4520, 12.3819, 38.0820

Protanomaly

14.6256, 12.3272, 42.1660

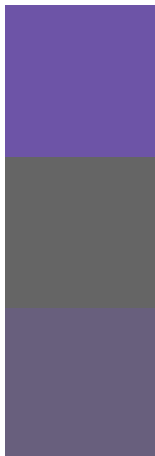
Deuteranomaly

13.6959, 12.2179, 37.2337

Tritanomaly

13.2658, 12.3306, 22.1029

Monochromacy



Original Color

16.4520, 12.3819, 38.0820

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.5028, 12.6081, 21.1240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4520, 12.3819, 38.0820 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(109, 84, 167)` looks like.

```
.text, #text, p{  
    color:rgb(109, 84, 167)  
}
```

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(109, 84, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 84, 167) }
```

Border

The CSS property to change the border of an element to XYZ 16.4520, 12.3819, 38.0820 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(109, 84, 167) }
```


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

```
.border{ border-color:rgb(109, 84, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 84, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 84, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 84, 167); box-shadow:4px 4px 4px 4px rgb(109, 84, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4520, 12.3819, 38.0820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 84, 167) }
```

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

```
.background{ background-color: rgb(109, 84,  
167) }
```

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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