

Converting Colors

XYZ(16.1476, 14.8779, 38.0971)

Have a look what the booklet for
XYZ(16.1476, 14.8779, 38.0971)
contains.

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Color

**XYZ(16.1476, 14.8779,
38.0971)**

Conversions

Conversions Part 1

Format	Color
Hex	5B68A6
RGB	91, 104, 166
RGB Percent	36%, 41%, 65%
CMY	0.6431, 0.5922, 0.3490
CMYK	0.45, 0.37, 0.00, 0.35
HSL	230°, 30%, 50%
HSV	230°, 45%, 65%
XYZ	16.1476, 14.8779, 38.0971
YIQ	107.1810, -27.6500, 16.5260

Conversions

Conversions Part 2

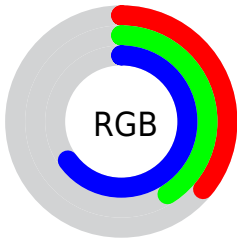
Format	Color
R_{YB}	91, 102, 166
Decimal	5990566
CIE _{Lab}	45.47, 11.98, -34.95
CIE _{LCh}	45, 36.951, 288.921
Yxy	14.8779, 0.2336, 0.2152
Android (android.graphics.Color)	4284180646 (0xFF5B68A6)
YUV	107.1810, 28.9978, -14.1907
Hunter-Lab	38.5719, 7.2258, -31.5599

Details

The XYZ color **16.1476, 14.8779, 38.0971** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.0061, 31.6457, 14.4777**, and the grayscale version is **13.9533, 14.6800, 15.9865**.

A 20% lighter version of the original color is **36.4495, 34.6829, 73.1800**, and **5.2633, 4.5345, 16.5174** is the 20% darker color. If you saturate the color by 10%, you get **13.4179, 11.5845, 37.6056**, and if you desaturate by 10%, it is **19.4652, 18.8086, 38.6812**.

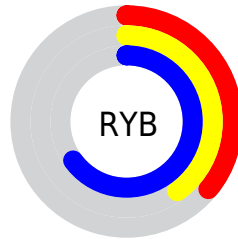
Distribution



Red (36%)

Green (41%)

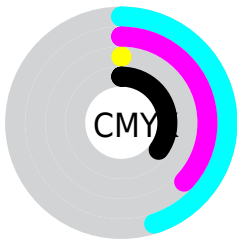
Blue (65%)



Red (36%)

Yellow (40%)

Blue (65%)

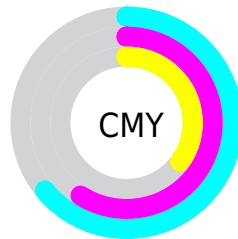


Cyan (45%)

Magenta (37%)

Yellow (0%)

Black (35%)



Cyan (64%)

Magenta (59%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1476, 14.8779, 38.0971 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 16.1476, 14.8779, 38.0971 by changing the saturation by 10% instead.

■ 16.1476, 14.8779,
38.0971

■ 16.1476, 14.8779,
38.0971

223.4644,
222.6260, 353.3470

■ 9.7202, 8.7337,
25.7556

■ 36.4096, 34.6388,
73.4620

■ 5.2747, 4.5679,
16.4168

■ 50.9750, 49.0244,
97.3226

■ 2.4457, 1.9961,
9.6620

■ 68.9836, 66.9259,
125.8599

■ 0.8680, 0.6052,
5.0728

■ 90.8010, 88.7277,
159.4925

■ 0.0000, 0.0000,
2.2305

116.7924,
114.8142, 198.6390

■ 0.0000, 0.0000,
0.6919

147.3232,

■ 0.0000, 0.0000,

145.5698, 243.7179

0.0000

182.7587,
181.3790, 295.1477

■ 16.1476, 14.8779,
38.0971

■ 16.1476, 14.8779,
38.0971

■ 13.4179, 11.5845,
37.6056

■ 19.4652, 18.8086,
38.6812

■ 11.2394, 8.8926,
37.2008

■ 23.4011, 23.4065,
39.3613

■ 9.5738, 6.7653,
36.8780

■ 27.9856, 28.7016,
40.1417

■ 8.3771, 5.1607,
36.6313

■ 33.2463, 34.7216,
41.0264

■ 7.5956, 4.0298,
36.4542

■ 39.2095, 41.4925,
42.0190

■ 7.3168, 3.6207,
36.3900

■ 45.8998, 49.0392,
43.1231

■ 53.3408, 57.3854,
44.3419

■ 61.5549, 66.5537,
45.6786

■ 70.5638, 76.5659,
47.1363

Harmonies

Analogous

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



13.0342, 14.8779, 39.1676



16.1476, 14.8779, 38.0971



19.0863, 14.8779, 30.0799

Triad

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



16.1476, 14.8779, 38.0971



18.3960, 14.8779, 6.4894



9.0931, 14.8779, 13.1565

Complementary

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



16.1476, 14.8779, 38.0971



29.0061, 31.6457, 14.4777

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.



10.1335, 14.8779, 7.4212



16.1476, 14.8779, 38.0971



15.3087, 14.8779, 4.6115

Square

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



16.1476, 14.8779, 38.0971



20.5089, 14.8779, 11.3028



12.3079, 14.8779, 4.8759



9.2500, 14.8779, 22.3387

Rectangle

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



16.1476, 14.8779, 38.0971



20.4114, 14.8779, 23.0901



12.3079, 14.8779, 4.8759



9.3075, 14.8779, 10.8374

Sweetspot

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



16.1482, 14.8784, 38.0975



51.6161, 53.0387, 72.9923



23.6391, 31.7722, 34.7005



11.1349, 11.3910, 16.2640



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.



16.1482, 14.8784, 38.0975



24.4302, 21.1201, 68.2642



17.6621, 13.8640, 37.8219



7.2330, 7.5030, 9.4853



5.6987, 2.8576, 28.2267



0.1682, 0.1287, 0.6966

Inverse Universe

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



21.9662, 16.5893, 15.1414



36.4596, 25.1271, 20.6948



26.7233, 33.8011, 15.0140



7.5822, 7.5627, 8.1172



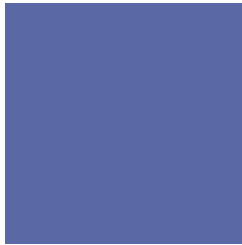
12.3770, 6.3595, 1.5311



0.3161, 0.1607, 0.1159

Previews

White Background



This preview shows how the XYZ color 16.1476, 14.8779, 38.0971 looks on a white background.

Color Contrast Check

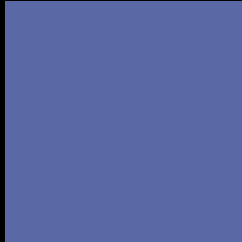
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1476, 14.8779, 38.0971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

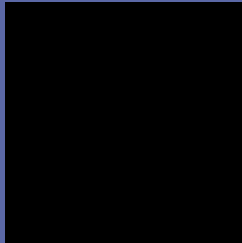
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1476, 14.8779, 38.0971

Background



This preview shows how black text looks on a background with the XYZ color 16.1476, 14.8779, 38.0971.



This preview shows how white text looks on a background with the XYZ color 16.1476, 14.8779,

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

16.1476, 14.8779, 38.0971

Protanopia

15.7729, 14.8245, 38.5893

Deuteranopia

15.1911, 14.8517, 37.6633



Tritanopia

12.6424, 14.8777, 20.6177

Trichromacy



Original Color

16.1476, 14.8779, 38.0971

Protanomaly

15.9571, 14.9194, 38.5979

Deuteranomaly

15.5128, 14.8637, 37.6487

Tritanomaly

13.7307, 14.8258, 26.1827

Monochromacy



Original Color

16.1476, 14.8779, 38.0971

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4171, 14.6333, 22.4867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1476, 14.8779, 38.0971 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(91, 104, 166) looks like.

```
.text, #text, p{  
    color:rgb(91, 104, 166)  
}
```

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(91, 104, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 104, 166) }
```

Border

The CSS property to change the border of an element to XYZ 16.1476, 14.8779, 38.0971 is called "border". The border property can be set on classes, ids or directly on the HTML element.

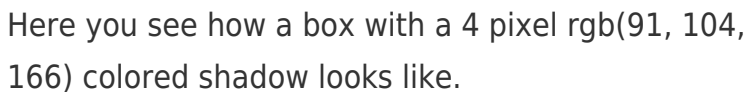
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 104, 166) }
```


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

```
.border{ border-color:rgb(91, 104, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 104, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 104, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 104, 166); box-shadow:4px 4px 4px 4px rgb(91, 104, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1476, 14.8779, 38.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 104, 166) }
```

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

```
.background{ background-color: rgb(91, 104,  
166) }
```

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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