

Converting Colors

XYZ(16.3292, 11.9866, 47.9078)

Have a look what the booklet for
XYZ(16.3292, 11.9866, 47.9078)
contains.

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Color

**XYZ(16.3698, 12.0070,
47.9092)**

Conversions

Conversions Part 1

Format	Color
Hex	5C53BA
RGB	92, 83, 186
RGB Percent	36%, 33%, 73%
CMY	0.6392, 0.6745, 0.2706
CMYK	0.51, 0.55, 0.00, 0.27
HSL	245°, 43%, 53%
HSV	245°, 55%, 73%
XYZ	16.3698, 12.0070, 47.9092
YIQ	97.4330, -27.6990, 33.9410

Conversions

Conversions Part 2

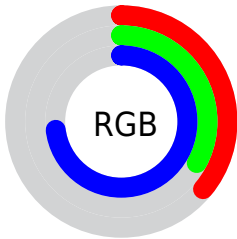
Format	Color
R _Y B	92, 83, 186
Decimal	6050746
CIE Lab	41.23, 31.52, -53.45
CIE LCh	41, 62.052, 300.527
Yxy	12.0070, 0.2146, 0.1574
Android (android.graphics.Color)	4284240826 (0xFF5C53BA)
YUV	97.4330, 43.6635, -4.7647
Hunter-Lab	34.6511, 23.6871, -57.7195

Details

The XYZ color **16.3698, 12.0070, 47.9092** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.2513, 45.0894, 14.9236**, and the grayscale version is **11.3700, 11.9621, 13.0267**.

A 20% lighter version of the original color is **36.7779, 29.5420, 88.5578**, and **5.3934, 3.3282, 22.1879** is the 20% darker color. If you saturate the color by 10%, you get **13.6231, 8.7544, 47.4264**, and if you desaturate by 10%, it is **19.8792, 16.2195, 48.5376**.

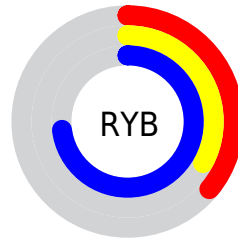
Distribution



 Red (36%)

 Green (33%)

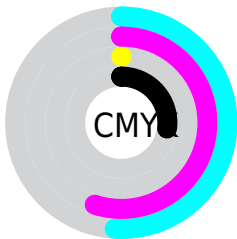
 Blue (73%)




 Red (36%)

 Yellow (33%)

 Blue (73%)

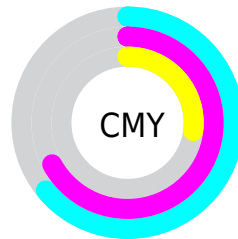



 Cyan (51%)


 Magenta (55%)

 Yellow (0%)

 Black (27%)



 Cyan (64%)

 Magenta (67%)

 Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3698, 12.0070, 47.9092 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 16.3698, 12.0070, 47.9092 by changing the saturation by 10% instead.

■ 16.3698, 12.0070,
47.9092

■ 16.3698, 12.0070,
47.9092

224.7418,
204.4516, 394.9304

■ 9.8787, 6.7484,
33.3955

■ 36.7913, 29.5079,
88.4333

■ 5.3803, 3.3053,
22.1560

■ 51.4524, 42.5189,
115.2809

■ 2.5091, 1.2931,
13.7722

■ 69.5676, 58.8830,
147.0767

■ 0.8998, 0.1359,
7.8254

■ 91.5022, 78.9844,
184.2395

■ 0.0000, 0.0000,
3.8973

■ 117.6216,
103.2076, 227.1877

■ 0.0000, 0.0000,
1.5692

148.2910,

■ 0.0000, 0.0000,

131.9369, 276.3399

0.2687

183.8760,
165.5568, 332.1147

■ 0.0000, 0.0000,
0.0000

■ 16.3698, 12.0070,
47.9092

■ 16.3698, 12.0070,
47.9092

■ 13.6231, 8.7544,
47.4264

■ 19.8792, 16.2195,
48.5376

■ 11.5804, 6.3849,
47.0767

■ 24.2009, 21.4586,
49.3211

■ 10.1772, 4.8114,
46.8470

■ 29.3819, 27.7860,
50.2693

■ 9.3356, 3.9274,
46.7207

■ 35.4654, 35.2585,
51.3910

■ 9.0811, 3.6576,
46.6820

■ 42.4916, 43.9288,
52.6942

■ 50.4984, 53.8464,
54.1865

■ 59.5214, 65.0579,
55.8750

■ 69.5946, 77.6077,
57.7664

■ 80.7503, 91.5377,
59.8672

Harmonies

Analogous

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



11.4917, 12.0070, 56.5011



16.3698, 12.0070, 47.9092



20.6723, 12.0070, 29.3522

Triad

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



16.3698, 12.0070, 47.9092



16.1960, 12.0070, 1.2112



4.7848, 12.0070, 13.3017

Complementary

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



16.3698, 12.0070, 47.9092



37.2513, 45.0894, 14.9236

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.



5.4365, 12.0070, 4.3055



16.3698, 12.0070, 47.9092



11.3333, 12.0070, 0.6315

Square

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



16.3698, 12.0070, 47.9092



20.5549, 12.0070, 4.1208



7.5728, 12.0070, 1.2582



5.4849, 12.0070, 30.0308

Rectangle

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



16.3698, 12.0070, 47.9092



22.1897, 12.0070, 17.5680



7.5728, 12.0070, 1.2582



4.8507, 12.0070, 9.4196

Sweetspot

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



16.3704, 12.0074, 47.9095



62.0521, 61.1625, 92.7364



28.2350, 36.9936, 52.1070



13.1600, 12.8482, 20.3289



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



16.3704, 12.0074, 47.9095



23.9692, 15.0209, 85.8374



23.2986, 15.5790, 48.2337



8.5920, 8.7560, 11.3167



6.1376, 2.4752, 31.4074



0.2409, 0.0999, 1.1083

Inverse Universe

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



31.2787, 19.8001, 43.7669



53.7905, 30.6280, 76.6756



27.7124, 40.1719, 14.4772



9.3462, 9.1488, 11.1703



18.5024, 8.9747, 26.3300



0.6623, 0.3204, 0.9808

Previews

White Background



This preview shows how the XYZ color 16.3698, 12.0070, 47.9092 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 16.3698, 12.0070, 47.9092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

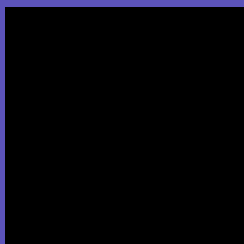
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3698, 12.0070, 47.9092

Background



This preview shows how black text looks on a background with the XYZ color 16.3698, 12.0070, 47.9092.



This preview shows how white text looks on a background with the XYZ color 16.3698, 12.0070,

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

16.3698, 12.0070, 47.9092

Protanopia

14.4269, 12.2018, 55.0209

Deuteranopia

12.1018, 11.9797, 41.7189



Tritanopia

10.1737, 12.1134, 16.8408

Trichromacy



Original Color

16.3698, 12.0070, 47.9092

Protanomaly

14.4325, 11.7428, 52.5449

Deuteranomaly

12.5774, 11.3664, 43.6505

Tritanomaly

11.8309, 11.7785, 25.6947

Monochromacy



Original Color

16.3698, 12.0070, 47.9092

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.5089, 11.6722, 22.3625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3698, 12.0070, 47.9092 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(92, 83, 186) looks like.

```
.text, #text, p{  
    color:rgb(92, 83, 186)  
}
```

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(92, 83, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 83, 186) }
```

Border

The CSS property to change the border of an element to XYZ 16.3698, 12.0070, 47.9092 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(92, 83, 186) }
```


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

```
.border{ border-color:rgb(92, 83, 186) }
```

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

Here you see how a box with a 4 pixel rgb(92, 83, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 83, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 83, 186);  
box-shadow:4px 4px 4px 4px rgb(92, 83,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3698, 12.0070, 47.9092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 83, 186) }
```

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

```
.background{ background-color: rgb(92, 83,  
186) }
```

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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