

Converting Colors

XYZ(18.1030, 11.6037, 50.0008)

Have a look what the booklet for
XYZ(18.1030, 11.6037, 50.0008)
contains.

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Color

**XYZ(18.1030, 11.6037,
50.0008)**

Conversions

Conversions Part 1

Format	Color
Hex	6F47BE
RGB	111, 71, 190
RGB Percent	44%, 28%, 75%
CMY	0.5647, 0.7216, 0.2549
CMYK	0.42, 0.63, 0.00, 0.25
HSL	260°, 48%, 51%
HSV	260°, 63%, 75%
XYZ	18.1030, 11.6037, 50.0008
YIQ	96.5260, -14.3590, 45.4890

Conversions

Conversions Part 2

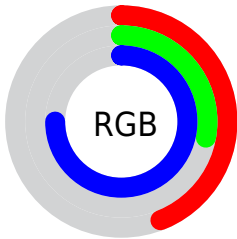
Format	Color
R_{YB}	111, 71, 190
Decimal	7292862
CIE _{Lab}	40.58, 43.80, -56.75
CIE _{LCh}	41, 71.689, 307.662
Yxy	11.6037, 0.2271, 0.1456
Android (android.graphics.Color)	4285482942 (0xFF6F47BE)
YUV	96.5260, 46.0827, 12.6937
Hunter-Lab	34.0642, 35.2493, -63.1833

Details

The XYZ color **18.1030, 11.6037, 50.0008** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **32.1284, 43.7660, 12.7158**, and the grayscale version is **11.1403, 11.7205, 12.7636**.

A 20% lighter version of the original color is **39.7743, 28.7150, 91.4419**, and **6.2522, 3.1357, 23.5683** is the 20% darker color. If you saturate the color by 10%, you get **15.6015, 8.7922, 49.5902**, and if you desaturate by 10%, it is **21.2074, 15.2868, 50.5483**.

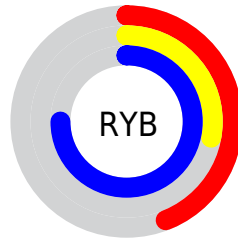
Distribution



Red (44%)

Green (28%)

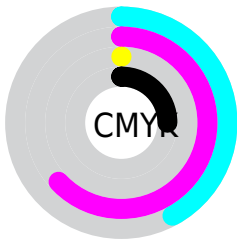
Blue (75%)



Red (44%)

Yellow (28%)

Blue (75%)

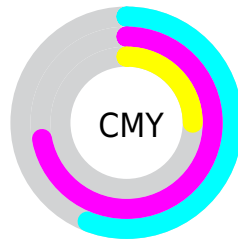


Cyan (42%)

Magenta (63%)

Yellow (0%)

Black (25%)



Cyan (56%)

Magenta (72%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1030, 11.6037, 50.0008 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 18.1030, 11.6037, 50.0008 by changing the saturation by 10% instead.

■ 18.1030, 11.6037,
50.0008

■ 18.1030, 11.6037,
50.0008

234.4853,
201.7637, 403.4042

■ 11.1241, 6.4744,
35.0428

■ 39.7415, 28.7712,
91.5724

■ 6.2183, 3.1357,
23.4121

■ 55.1317, 41.5783,
119.0231

■ 3.0202, 1.2030,
14.6899

■ 74.0565, 57.7134,
151.4751

■ 1.1644, 0.0641,
8.4579

■ 96.8811, 77.5610,
189.3470

■ 0.0780, 0.0000,
4.2973

■ 123.9710,
101.5054, 233.0574

■ 0.0000, 0.0000,
1.7898

155.6914,

■ 0.0000, 0.0000,

129.9311, 283.0246

0.4212

192.4077,
163.2224, 339.6674

■ 0.0000, 0.0000,
0.0000

■ 18.1030, 11.6037,
50.0008

■ 18.1030, 11.6037,
50.0008

■ 15.6015, 8.7922,
49.5902

■ 21.2074, 15.2868,
50.5483

■ 13.6554, 6.7734,
49.3031

■ 24.9537, 19.9088,
51.2430

■ 12.2114, 5.4547,
49.1247

■ 29.3794, 25.5312,
52.0950

■ 11.4001, 4.8033,
49.0417

■ 34.5182, 32.2102,
53.1133

■ 40.4017, 39.9973,
54.3063

■ 47.0594, 48.9411,
55.6817

■ 54.5192, 59.0868,
57.2469

■ 62.8074, 70.4775,
59.0087

■ 71.9494, 83.1538,
60.9736

Harmonies

Analogous

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



12.3773, 11.6037, 65.2284



18.1030, 11.6037, 50.0008



22.6930, 11.6037, 26.4532

Triad

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



18.1030, 11.6037, 50.0008



15.1539, 11.6037, 0.2555



3.9252, 11.6037, 16.7244

Complementary

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



18.1030, 11.6037, 50.0008



32.1284, 43.7660, 12.7158

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.



4.2571, 11.6037, 4.7295



18.1030, 11.6037, 50.0008



9.7823, 11.6037, 0.0000

Square

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



18.1030, 11.6037, 50.0008



20.6591, 11.6037, 2.1132



6.0897, 11.6037, 0.9238



4.9822, 11.6037, 38.4401

Rectangle

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



18.1030, 11.6037, 50.0008



23.8808, 11.6037, 13.8049



6.0897, 11.6037, 0.9238



3.8858, 11.6037, 11.5321

Sweetspot

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



18.1036, 11.6041, 50.0011



65.9425, 62.8315, 96.9313



22.8527, 26.9768, 52.7180



13.8293, 12.9401, 21.1541



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.1036, 11.6041, 50.0011



26.8971, 14.4644, 89.6534



28.1614, 16.7891, 50.4718



9.3106, 9.3770, 11.9914



7.6560, 3.2329, 32.6134



0.3708, 0.1632, 1.2808

Inverse Universe

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



28.9936, 17.6558, 30.7335



48.9510, 26.7678, 48.4801



23.8490, 39.4978, 12.3283



9.7899, 9.6403, 11.2827



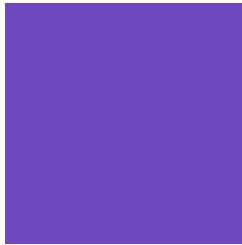
16.6677, 8.2982, 14.0756



0.6822, 0.3368, 0.7056

Previews

White Background



This preview shows how the XYZ color 18.1030, 11.6037, 50.0008 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 18.1030, 11.6037, 50.0008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

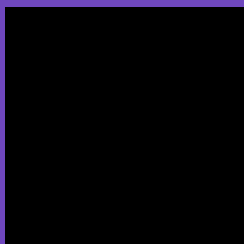
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1030, 11.6037, 50.0008

Background



This preview shows how black text looks on a background with the XYZ color 18.1030, 11.6037, 50.0008.



This preview shows how white text looks on a background with the XYZ color 18.1030, 11.6037,

50.0008.

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

18.1030, 11.6037, 50.0008

Protanopia

13.7910, 11.6398, 53.7444

Deuteranopia

11.7184, 11.6756, 40.1641



Tritanopia

10.9959, 11.5894, 14.7541

Trichromacy



Original Color

18.1030, 11.6037, 50.0008



Protanomaly

13.7830, 10.6868, 52.3753



Deuteranomaly

12.4007, 10.6449, 43.5206



Tritanomaly

12.8184, 11.1623, 24.4006

Monochromacy



Original Color

18.1030, 11.6037, 50.0008



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

13.0659, 11.4429, 22.9928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1030, 11.6037, 50.0008 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(111, 71, 190)` looks like.

```
.text, #text, p{  
    color:rgb(111, 71, 190)  
}
```

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(111, 71, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 71, 190) }
```

Border

The CSS property to change the border of an element to XYZ 18.1030, 11.6037, 50.0008 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(111, 71, 190) }
```


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

```
.border{ border-color:rgb(111, 71, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 71, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 71, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 71, 190);  
box-shadow:4px 4px 4px 4px rgb(111, 71,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1030, 11.6037, 50.0008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 71, 190) }
```

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

```
.background{ background-color: rgb(111, 71,  
190) }
```

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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