

Converting Colors

XYZ(11.6438, 4.9457, 48.3147)

Have a look what the booklet for
XYZ(11.6438, 4.9457, 48.3147)
contains.

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Color

**XYZ(11.7111, 4.9762,
48.4874)**

Conversions

Conversions Part 1

Format	Color
Hex	4600BD
RGB	70, 0, 189
RGB Percent	27%, 0%, 74%
CMY	0.7255, 1.0000, 0.2588
CMYK	0.63, 1.00, 0.00, 0.26
HSL	262°, 100%, 37%
HSV	262°, 100%, 74%
XYZ	11.7111, 4.9762, 48.4874
YIQ	42.4760, -18.9490, 73.6190

Conversions

Conversions Part 2

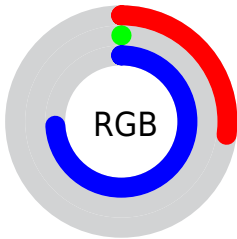
Format	Color
RYB	70, 0, 189
Decimal	4587709
CIELab	26.67, 64.89, -79.16
CIELCh	27, 102.364, 309.343
Yxy	4.9762, 0.1797, 0.0764
Android (android.graphics.Color)	4282777789 (0xFF4600BD)
YUV	42.4760, 72.2363, 24.1385
Hunter-Lab	22.3074, 54.6723, -113.2577

Details

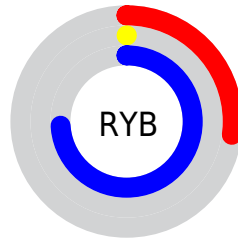
The XYZ color **11.7111, 4.9762, 48.4874** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **25.8046, 40.3168, 6.4219**, and the grayscale version is **2.1812, 2.2948, 2.4990**.

A 20% lighter version of the original color is **28.6272, 15.7980, 89.5362**, and **4.3031, 1.7212, 22.6597** is the 20% darker color. If you saturate the color by 10%, you get **11.7116, 4.9765, 48.4876**, and if you desaturate by 10%, it is **12.8880, 5.9261, 48.6089**.

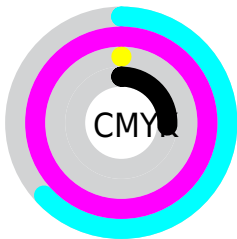
Distribution



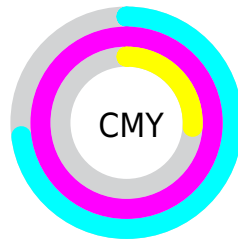
- Red (27%)
- Green (0%)
- Blue (74%)



- Red (27%)
- Yellow (0%)
- Blue (74%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)



- Cyan (73%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7111, 4.9762, 48.4874 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 11.7111, 4.9762, 48.4874 by changing the saturation by 10% instead.

■ 11.7111, 4.9762,
48.4874

■ 11.7111, 4.9762,
48.4874

196.2924,
149.5937, 397.2851

■ 6.6181, 2.2333,
33.8503

■ 28.5893, 15.7667,
89.3027

■ 3.2686, 0.7381,
22.5022

■ 41.1051, 24.5830,
116.3181

■ 1.2973, 0.0000,
14.0245

■ 56.8260, 36.1926,
148.2965

■ 0.1812, 0.0000,
7.9988

■ 76.1172, 50.9799,
185.6567

■ 0.0000, 0.0000,
4.0064

■ 99.3440, 69.3293,
228.8171


■ 0.0000, 0.0000,
1.6289


■ 126.8720, 91.6251,


■ 0.0000, 0.0000,


278.1963


0.3113

 159.0663,
118.2518, 334.2128

 0.0000, 0.0000,
0.0000

 11.7111, 4.9762,
48.4874


 11.7111, 4.9762,
48.4874


 11.7116, 4.9765,
48.4876

 12.8880, 5.9261,
48.6089

 14.4682, 7.4170,
48.8134

 16.5425, 9.6169,
49.1287

 19.1599, 12.6120,
49.5688

 22.3626, 16.4754,
50.1458

■ 26.1884, 21.2720,
50.8699

■ 30.6714, 27.0600,
51.7509

■ 35.8432, 33.8928,
52.7971

■ 41.7334, 41.8202,
54.0168

Harmonies

Analogous

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



6.1312, 4.9762, 72.4062



11.7111, 4.9762, 48.4874



16.6367, 4.9762, 17.9553

Triad

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



11.7111, 4.9762, 48.4874



8.0987, 4.9762, 0.0000



0.3402, 4.9762, 9.9821

Complementary

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



11.7111, 4.9762, 48.4874



25.8046, 40.3168, 6.4219

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.



0.4677, 4.9762, 0.6898



11.7111, 4.9762, 48.4874



3.5600, 4.9762, 0.0000

Square

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



11.7111, 4.9762, 48.4874



13.8440, 4.9762, 0.0000



1.2818, 4.9762, 0.0000



0.8738, 4.9762, 36.1265

Rectangle

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



11.7111, 4.9762, 48.4874



17.8377, 4.9762, 5.6818



1.2818, 4.9762, 0.0000



0.3072, 4.9762, 5.1629

Sweetspot

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



11.7116, 4.9765, 48.4876



54.5192, 47.9247, 92.6031



15.8658, 17.0351, 50.5962



10.9698, 9.3263, 19.7646



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.



11.7116, 4.9765, 48.4876



20.7333, 8.7880, 86.8297



24.4540, 11.5454, 49.0839



9.3413, 9.3928, 11.9929



7.9579, 3.3885, 32.6275



0.3846, 0.1703, 1.2815

Inverse Universe

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



24.3158, 12.1506, 18.5145



43.4296, 21.7138, 32.5286



18.6035, 36.6046, 6.0849



9.7760, 9.6347, 11.2092



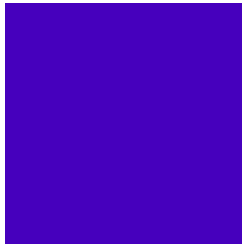
16.3982, 8.1904, 12.6566



0.6729, 0.3331, 0.6569

Previews

White Background



This preview shows how the XYZ color 11.7111, 4.9762, 48.4874 looks on a white background.

Color Contrast Check

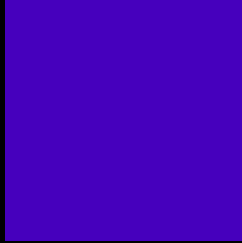
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 11.7111, 4.9762, 48.4874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

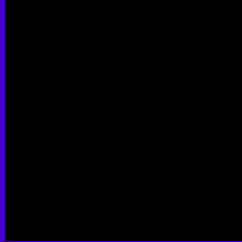
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7111, 4.9762, 48.4874

Background



This preview shows how black text looks on a background with the XYZ color 11.7111, 4.9762, 48.4874.



This preview shows how white text looks on a background with the XYZ color 11.7111, 4.9762, 48.4874.

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

11.7111, 4.9762, 48.4874

Protanopia

6.0111, 5.2485, 22.8865

Tritanopia

3.7577, 5.3151, 8.0356

Trichromacy



Original Color

11.7111, 4.9762, 48.4874

Protanomaly

6.9095, 4.0242, 30.5496

Tritanomaly

4.6479, 3.4687, 17.5641

Monochromacy



Original Color

11.7111, 4.9762, 48.4874

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.8737, 2.3402, 11.0740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7111, 4.9762, 48.4874 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(70, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 189)  
}
```

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(70, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 11.7111, 4.9762, 48.4874 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(70, 0, 189) }
```

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

```
.border{ border-color:rgb(70, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(70, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(70, 0, 189)  
}
```


Background

The CSS property to change the background color of an element to XYZ 11.7111, 4.9762, 48.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 189) }
```

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

```
.background{ background-color: rgb(70, 0,  
189) }
```

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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