

Converting Colors

XYZ(11.9507, 14.7815, 6.7617)

Have a look what the booklet for
XYZ(11.9507, 14.7815, 6.7617)
contains.

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Color

**XYZ(12.0302, 14.8674,
6.7931)**

Conversions

Conversions Part 1

Format	Color
Hex	64713E
RGB	100, 113, 62
RGB Percent	39%, 44%, 24%
CMY	0.6078, 0.5569, 0.7569
CMYK	0.12, 0.00, 0.45, 0.56
HSL	75°, 29%, 34%
HSV	75°, 45%, 44%
XYZ	12.0302, 14.8674, 6.7931
YIQ	103.2990, 8.6230, -18.6170

Conversions

Conversions Part 2

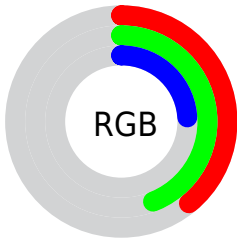
Format	Color
RYB	62, 113, 75
Decimal	6582590
CIELab	45.45, -13.84, 26.63
CIElCh	45, 30.009, 117.457
Yxy	14.8674, 0.3571, 0.4413
Android (android.graphics.Color)	4284772670 (0xFF64713E)
YUV	103.2990, -20.3604, -2.8932
Hunter-Lab	38.5583, -11.7849, 16.5452

Details

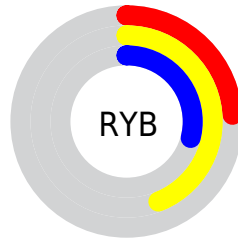
The XYZ color **12.0302, 14.8674, 6.7931** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.6055, 6.1338, 16.4067**, and the grayscale version is **13.0224, 13.7006, 14.9199**.

A 20% lighter version of the original color is **29.2733, 34.7334, 20.2003**, and **3.4076, 4.5511, 1.2292** is the 20% darker color. If you saturate the color by 10%, you get **11.4389, 14.5952, 5.3118**, and if you desaturate by 10%, it is **12.6980, 15.1725, 8.6153**.

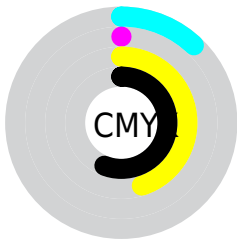
Distribution



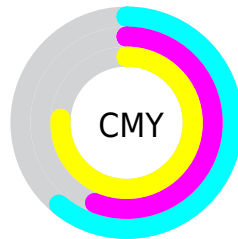
- Red (39%)
- Green (44%)
- Blue (24%)



- Red (24%)
- Yellow (44%)
- Blue (29%)



- Cyan (12%)
- Magenta (0%)
- Yellow (45%)
- Black (56%)





- Cyan (61%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0302, 14.8674, 6.7931 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 12.0302, 14.8674, 6.7931 by changing the saturation by 10% instead.


 12.0302, 14.8674,
6.7931


 12.0302, 14.8674,
6.7931

198.3709,
222.5622, 175.4985


 6.8366, 8.7264,
3.2566


 29.1665, 34.6204,
20.0615


 3.4055, 4.5631,
1.2271


 41.8399, 49.0012,
30.6304

 1.3717, 1.9933,
0.0009

 57.7372, 66.8973,
44.3806

 0.2359, 0.6036,
0.0000

 77.2239, 88.6932,
61.7305

 0.0000, 0.0000,
0.0000

 100.6652,
114.7732, 83.0987

 128.4266,

145.5218, 108.9037

160.8734,
181.3233, 139.5641

■ 12.0302, 14.8674,
6.7931

■ 12.0302, 14.8674,
6.7931

■ 11.4389, 14.5952,
5.3118

■ 12.6980, 15.1725,
8.6153

■ 10.9189, 14.3524,
4.1493

■ 13.4450, 15.5101,
10.7968

■ 10.4660, 14.1376,
3.2822

■ 14.2752, 15.8823,
13.3560

■ 10.0748, 13.9488,
2.6836

■ 15.1917, 16.2903,
16.3096

■ 9.7362, 13.7822,
2.3050

■ 16.1977, 16.7355,
19.6733

■ 9.5789, 13.7046,
2.1404

■ 17.2962, 17.2191,
23.4620

■ 18.4898, 17.7421,
27.6898

■ 19.7814, 18.3057,
32.3703

■ 21.1733, 18.9108,
37.5163

Harmonies

Analogous

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



14.3452, 14.8674, 5.9681



12.0302, 14.8674, 6.7931



10.4567, 14.8674, 9.8589

Triad

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



12.0302, 14.8674, 6.7931



11.7017, 14.8674, 30.7721



19.4927, 14.8674, 16.8061

Complementary

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



12.0302, 14.8674, 6.7931



7.6055, 6.1338, 16.4067

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.



18.5787, 14.8674, 24.7720



12.0302, 14.8674, 6.7931



13.9190, 14.8674, 34.1844

Square

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



12.0302, 14.8674, 6.7931



10.2833, 14.8674, 23.3945



16.4632, 14.8674, 31.7183



18.8357, 14.8674, 10.6381

Rectangle

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



12.0302, 14.8674, 6.7931



9.9422, 14.8674, 13.3808



16.4632, 14.8674, 31.7183



19.3568, 14.8674, 19.3629

Sweetspot

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



12.0306, 14.8681, 6.7934



25.6799, 28.4917, 24.2910



10.1793, 8.8573, 5.7308



5.8778, 6.5619, 5.4253



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0306, 14.8681, 6.7934



20.4515, 26.1197, 9.4380



9.6573, 13.6446, 6.6823



3.5629, 3.8755, 3.6336



10.8466, 15.5353, 2.4269



53.2044, 76.9619, 12.0510

Inverse Universe

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



7.6055, 6.1338, 16.4067



11.4686, 8.3674, 28.9861



9.9870, 7.3615, 16.5182



3.2900, 3.3378, 4.2251



3.9328, 1.6369, 17.8303



18.8964, 7.7958, 88.7879

Previews

White Background



This preview shows how the XYZ color 12.0302, 14.8674, 6.7931 looks on a white background.

Color Contrast Check

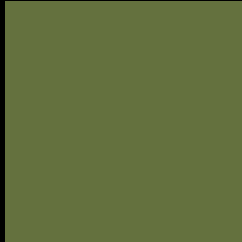
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0302, 14.8674, 6.7931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

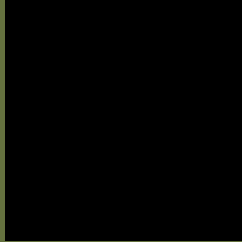
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0302, 14.8674, 6.7931

Background



This preview shows how black text looks on a background with the XYZ color 12.0302, 14.8674, 6.7931.



This preview shows how white text looks on a background with the XYZ color 12.0302, 14.8674,

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

12.0302, 14.8674, 6.7931

Protanopia

13.6494, 14.9029, 6.4321

Deuteranopia

14.9816, 14.8165, 6.9207



Tritanopia

14.4156, 14.8790, 18.3318

Trichromacy



Original Color

12.0302, 14.8674, 6.7931

Protanomaly

12.9738, 14.8683, 6.6010

Deuteranomaly

13.7626, 14.7962, 6.8332

Tritanomaly

13.2889, 14.7249, 13.2081

Monochromacy



Original Color

12.0302, 14.8674, 6.7931

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4986, 14.0448, 11.2847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0302, 14.8674, 6.7931 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(100, 113, 62)` looks like.

```
.text, #text, p{  
    color:rgb(100, 113, 62)  
}
```

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(100, 113, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 113, 62) }
```

Border

The CSS property to change the border of an element to XYZ 12.0302, 14.8674, 6.7931 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(100, 113, 62) }
```


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

```
.border{ border-color:rgb(100, 113, 62) }
```

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

Here you see how a box with a 4 pixel rgb(100, 113, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 113, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 113, 62);  
box-shadow:4px 4px 4px 4px rgb(100, 113,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0302, 14.8674, 6.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 113, 62) }
```

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

```
.background{ background-color: rgb(100,  
113, 62) }
```

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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