

Converting Colors

XYZ(12.2623, 14.9153, 4.0789)

Have a look what the booklet for
XYZ(12.2623, 14.9153, 4.0789)
contains.

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Color

**XYZ(12.2074, 14.8541,
4.0574)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7026
RGB	107, 112, 38
RGB Percent	42%, 44%, 15%
CMY	0.5804, 0.5608, 0.8510
CMYK	0.04, 0.00, 0.66, 0.56
HSL	64°, 49%, 29%
HSV	64°, 66%, 44%
XYZ	12.2074, 14.8541, 4.0574
YIQ	102.0690, 20.7740, -24.0740

Conversions

Conversions Part 2

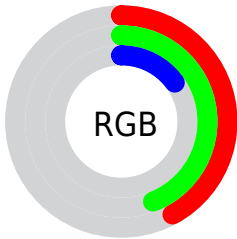
Format	Color
RYB	38, 112, 43
Decimal	7041062
CIELab	45.43, -12.53, 39.12
CIELCh	45, 41.076, 107.762
Yxy	14.8541, 0.3923, 0.4773
Android (android.graphics.Color)	4285231142 (0xFF6B7026)
YUV	102.0690, -31.5860, 4.3245
Hunter-Lab	38.5410, -10.9091, 20.7370

Details

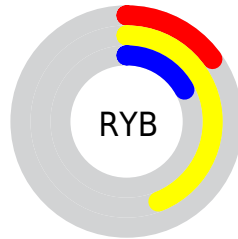
The XYZ color **12.2074, 14.8541, 4.0574** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.6145, 3.0700, 15.6795**, and the grayscale version is **12.7239, 13.3865, 14.5779**.

A 20% lighter version of the original color is **29.4930, 34.7126, 14.1626**, and **3.5207, 4.5366, 0.6901** is the 20% darker color. If you saturate the color by 10%, you get **11.9627, 14.7463, 3.2407**, and if you desaturate by 10%, it is **12.5080, 14.9854, 5.1614**.

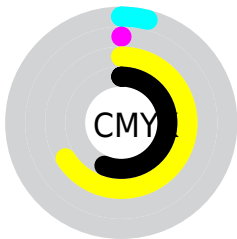
Distribution



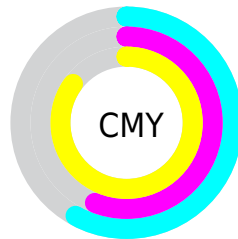
- Red (42%)
- Green (44%)
- Blue (15%)



- Red (15%)
- Yellow (44%)
- Blue (17%)



- Cyan (4%)
- Magenta (0%)
- Yellow (66%)
- Black (56%)



- Cyan (58%)
- Magenta (56%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2074, 14.8541, 4.0574 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 12.2074, 14.8541, 4.0574 by changing the saturation by 10% instead.

12.2074, 14.8541,
4.0574

12.2074, 14.8541,
4.0574

199.5155,
222.4814, 148.8612

6.9583, 8.7171,
1.6569

29.4859, 34.5970,
14.1419

3.4821, 4.5571,
0.3309

42.2459, 48.9717,
22.6630

1.4136, 1.9898,
0.0000

58.2404, 66.8610,
34.0614

0.2659, 0.6015,
0.0000

77.8345, 88.6494,
48.7556

0.0000, 0.0000,
0.0000

101.3938,
114.7212, 67.1641

129.2835,

145.4609, 89.7055

161.8689,
181.2529, 116.7984

■ 12.2074, 14.8541,
4.0574

■ 12.2074, 14.8541,
4.0574

■ 11.9627, 14.7463,
3.2407

■ 12.5080, 14.9854,
5.1614

■ 11.7679, 14.6580,
2.6838

■ 12.8679, 15.1401,
6.5751

■ 11.6124, 14.5855,
2.3296

■ 13.2914, 15.3202,
8.3197

■ 11.5535, 14.5579,
2.2010

■ 13.7823, 15.5274,
10.4145

■ 14.3437, 15.7629,
12.8770

■ 14.9790, 16.0281,
15.7238

■ 15.6909, 16.3240,
18.9703

■ 16.4824, 16.6518,
22.6312

■ 17.3559, 17.0125,
26.7203

Harmonies

Analogous

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



15.5573, 14.8541, 3.8735



12.2074, 14.8541, 4.0574



9.7914, 14.8541, 6.5358

Triad

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



12.2074, 14.8541, 4.0574



10.1464, 14.8541, 34.4870



21.5617, 14.8541, 20.4989

Complementary

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



12.2074, 14.8541, 4.0574



4.6145, 3.0700, 15.6795

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.



19.5627, 14.8541, 32.4058



12.2074, 14.8541, 4.0574



12.7710, 14.8541, 42.4118

Square

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



12.2074, 14.8541, 4.0574



8.7402, 14.8541, 22.6197



16.2191, 14.8541, 41.5255



21.3451, 14.8541, 11.0857

Rectangle

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



12.2074, 14.8541, 4.0574



8.8683, 14.8541, 10.0465



16.2191, 14.8541, 41.5255



21.1148, 14.8541, 24.3909

Sweetspot

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



12.2077, 14.8548, 4.0577



24.7420, 27.4994, 20.6124



7.8939, 5.3080, 2.4423



5.8929, 6.5851, 4.7278



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.



12.2077, 14.8548, 4.0577



20.8328, 25.8224, 5.1498



8.6752, 13.0337, 3.8924



3.6207, 3.9053, 3.6363



13.3483, 16.8250, 2.5440



66.2018, 83.6623, 12.6592

Inverse Universe

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



4.6145, 3.0700, 15.6795



6.4255, 3.4280, 27.2528



6.9208, 4.2589, 15.7875



3.2366, 3.3103, 4.2226



3.4825, 1.4047, 17.8092



17.0689, 6.8537, 88.7024

Previews

White Background



This preview shows how the XYZ color 12.2074, 14.8541, 4.0574 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 12.2074, 14.8541, 4.0574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

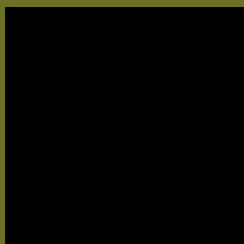
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2074, 14.8541, 4.0574

Background



This preview shows how black text looks on a background with the XYZ color 12.2074, 14.8541, 4.0574.



This preview shows how white text looks on a background with the XYZ color 12.2074, 14.8541,

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

12.2074, 14.8541, 4.0574

Protanopia

13.4422, 14.8518, 3.9085

Deuteranopia

14.9831, 14.7312, 4.1515



Tritanopia

14.9716, 14.8728, 17.7044

Trichromacy



Original Color

12.2074, 14.8541, 4.0574

Protanomaly

12.8728, 14.7157, 3.9122

Deuteranomaly

13.8492, 14.7464, 4.1239

Tritanomaly

13.5978, 14.7765, 10.9396

Monochromacy



Original Color

12.2074, 14.8541, 4.0574

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2742, 13.8156, 9.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2074, 14.8541, 4.0574 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(107, 112, 38)` looks like.

```
.text, #text, p{  
    color:rgb(107, 112, 38)  
}
```

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(107, 112, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 112, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.2074, 14.8541, 4.0574 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(107, 112, 38) }
```


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

```
.border{ border-color:rgb(107, 112, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 112, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 112, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 112, 38);  
box-shadow:4px 4px 4px 4px rgb(107, 112,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2074, 14.8541, 4.0574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 112, 38) }
```

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

```
.background{ background-color: rgb(107,  
112, 38) }
```

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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