

Converting Colors

XYZ(12.1468, 14.2452, 4.8089)

Have a look what the booklet for
XYZ(12.1468, 14.2452, 4.8089)
contains.

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Color

**XYZ(12.1661, 14.3307,
4.8142)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6D2F
RGB	108, 109, 47
RGB Percent	42%, 43%, 18%
CMY	0.5765, 0.5725, 0.8157
CMYK	0.01, 0.00, 0.57, 0.57
HSL	61°, 40%, 31%
HSV	61°, 57%, 43%
XYZ	12.1661, 14.3307, 4.8142
YIQ	101.6330, 19.3060, -19.4940

Conversions

Conversions Part 2

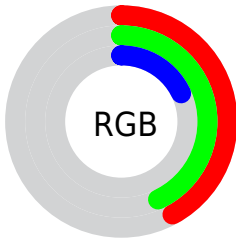
Format	Color
R_{YB}	47, 109, 48
Decimal	7105839
CIE Lab	44.70, -9.67, 33.94
CIE LCh	45, 35.290, 105.900
Yxy	14.3307, 0.3886, 0.4577
Android (android.graphics.Color)	4285295919 (0xFF6C6D2F)
YUV	101.6330, -26.9341, 5.5839
Hunter-Lab	37.8559, -8.8817, 18.9591

Details

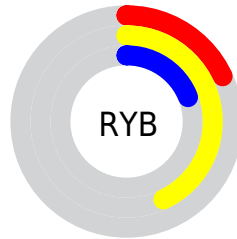
The XYZ color **12.1661, 14.3307, 4.8142** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.9962, 3.7659, 14.9325**, and the grayscale version is **12.5983, 13.2544, 14.4341**.

A 20% lighter version of the original color is **29.3343, 33.5449, 15.7552**, and **3.4675, 4.3448, 0.6559** is the 20% darker color. If you saturate the color by 10%, you get **11.9519, 14.2431, 3.7965**, and if you desaturate by 10%, it is **12.4360, 14.4417, 6.1220**.

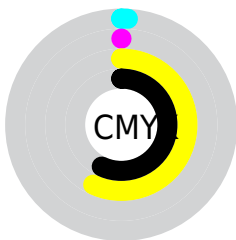
Distribution



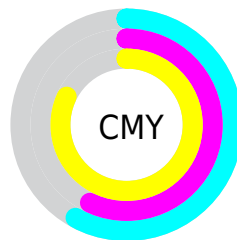
- Red (42%)
- Green (43%)
- Blue (18%)



- Red (18%)
- Yellow (43%)
- Blue (19%)



- Cyan (1%)
- Magenta (0%)
- Yellow (57%)
- Black (57%)



- Cyan (58%)
- Magenta (57%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1661, 14.3307, 4.8142 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 12.1661, 14.3307, 4.8142 by changing the saturation by 10% instead.

■ 12.1661, 14.3307,
4.8142

■ 12.1661, 14.3307,
4.8142

199.2494,
219.2785, 156.8858

■ 6.9299, 8.3510,
2.0818

■ 29.4115, 33.6747,
15.8478

■ 3.4642, 4.3204,
0.6049

■ 42.1514, 47.8077,
24.9862

■ 1.4038, 1.8543,
0.0000

■ 58.1233, 65.4274,
37.0969

■ 0.2589, 0.5207,
0.0000

■ 77.6925, 86.9181,
52.5986

■ 0.0000, 0.0000,
0.0000

■ 101.2243,
112.6641, 71.9098

■ 129.0842,

143.0500, 95.4491

161.6374,
178.4600, 123.6349

■ 12.1661, 14.3307,
4.8142

■ 12.1661, 14.3307,
4.8142

■ 11.9519, 14.2431,
3.7965

■ 12.4360, 14.4417,
6.1220

■ 11.7881, 14.1751,
3.0459

■ 12.7644, 14.5755,
7.7387

■ 11.6705, 14.1256,
2.5377

■ 13.1549, 14.7342,
9.6826

■ 11.5865, 14.0895,
2.2065

■ 13.6107, 14.9190,
11.9703

■ 11.5612, 14.0786,
2.1081

■ 14.1348, 15.1312,
14.6172

■ 14.7300, 15.3717,
17.6380

■ 15.3988, 15.6418,
21.0464

■ 16.1437, 15.9423,
24.8553

■ 16.9671, 16.2741,
29.0774

Harmonies

Analogous

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



15.0081, 14.3307, 4.7558



12.1661, 14.3307, 4.8142



10.0340, 14.3307, 6.9954

Triad

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



12.1661, 14.3307, 4.8142



10.1343, 14.3307, 29.9048



19.6958, 14.3307, 19.7733

Complementary

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



12.1661, 14.3307, 4.8142



4.9962, 3.7659, 14.9325

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.



17.9744, 14.3307, 29.3668



12.1661, 14.3307, 4.8142



12.3219, 14.3307, 36.4640

Square

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



12.1661, 14.3307, 4.8142



8.9783, 14.3307, 20.3397



15.1873, 14.3307, 36.2384



19.6386, 14.3307, 11.6666

Rectangle

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



12.1661, 14.3307, 4.8142



9.1840, 14.3307, 10.0054



15.1873, 14.3307, 36.2384



19.2966, 14.3307, 22.9767

Sweetspot

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



12.1664, 14.3314, 4.8145



24.3190, 26.6923, 21.1736



7.8368, 5.4898, 3.3361



5.6312, 6.2001, 4.7866



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.1664, 14.3314, 4.8145



21.3031, 25.4626, 6.3454



9.1242, 12.7630, 4.6721



3.3285, 3.5812, 3.3333



13.5195, 16.4647, 2.4655



68.8125, 83.8562, 12.5591

Inverse Universe

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



4.9962, 3.7659, 14.9325



7.0926, 4.5181, 26.4055



6.9192, 4.7572, 15.0225



2.9525, 3.0273, 3.8636



3.2523, 1.3037, 17.0025



16.5005, 6.6059, 86.6316

Previews

White Background



This preview shows how the XYZ color 12.1661, 14.3307, 4.8142 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 12.1661, 14.3307, 4.8142 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 12.1661, 14.3307, 4.8142

Background



This preview shows how black text looks on a background with the XYZ color 12.1661, 14.3307, 4.8142.



This preview shows how white text looks on a background with the XYZ color 12.1661, 14.3307,

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

12.1661, 14.3307, 4.8142

Protanopia

13.1184, 14.3569, 4.6645

Deuteranopia

14.5681, 14.3544, 4.9086



Tritanopia

14.5053, 14.2059, 16.7294

Trichromacy



Original Color

12.1661, 14.3307, 4.8142

Protanomaly

12.6903, 14.2901, 4.6742

Deuteranomaly

13.6522, 14.3250, 4.8418

Tritanomaly

13.4540, 14.2360, 11.0555

Monochromacy



Original Color

12.1661, 14.3307, 4.8142

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2835, 13.6554, 9.9710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1661, 14.3307, 4.8142 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(108, 109, 47)` looks like.

```
.text, #text, p{  
    color:rgb(108, 109, 47)  
}
```

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(108, 109, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 109, 47) }
```

Border

The CSS property to change the border of an element to XYZ 12.1661, 14.3307, 4.8142 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(108, 109, 47) }
```


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

```
.border{ border-color:rgb(108, 109, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 109, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 109, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 109, 47);  
box-shadow:4px 4px 4px 4px rgb(108, 109,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1661, 14.3307, 4.8142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 109, 47) }
```

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

```
.background{ background-color: rgb(108,  
109, 47) }
```

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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