

Converting Colors

XYZ(11.9254, 14.3692, 2.1455)

Have a look what the booklet for
XYZ(11.9254, 14.3692, 2.1455)
contains.

XYZ(12.0063, 14.4669, 2.1596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0063, 14.4669,
2.1596)**

Conversions

Conversions Part 1

Format	Color
Hex	6E6E00
RGB	110, 110, 0
RGB Percent	43%, 43%, 0%
CMY	0.5686, 0.5686, 1.0000
CMYK	0.00, 0.00, 1.00, 0.57
HSL	60°, 100%, 22%
HSV	60°, 100%, 43%
XYZ	12.0063, 14.4669, 2.1596
YIQ	97.4600, 35.3100, -34.2100

Conversions

Conversions Part 2

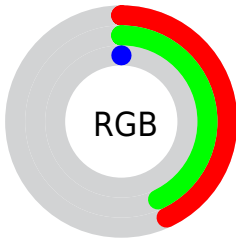
Format	Color
RYB	0, 110, 0
Decimal	7237120
CIELab	44.90, -11.60, 50.85
CIELCh	45, 52.161, 102.852
Yxy	14.4669, 0.4193, 0.5053
Android (android.graphics.Color)	4285427200 (0xFF6E6E00)
YUV	97.4600, -48.0478, 10.9976
Hunter-Lab	38.0354, -10.2164, 23.2584

Details

The XYZ color **12.0063, 14.4669, 2.1596** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8149, 1.1261, 14.8219**, and the grayscale version is **11.5851, 12.1884, 13.2732**.

A 20% lighter version of the original color is **29.1042, 33.8260, 9.4100**, and **3.5224, 4.4546, 0.6742** is the 20% darker color. If you saturate the color by 10%, you get **12.0066, 14.4676, 2.1597**, and if you desaturate by 10%, it is **12.0671, 14.4918, 2.4780**.

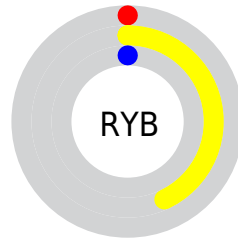
Distribution



Red (43%)

Green (43%)

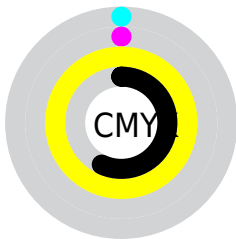
Blue (0%)



Red (0%)

Yellow (43%)

Blue (0%)

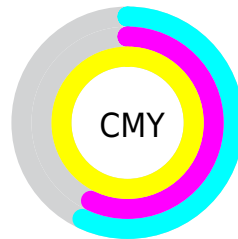


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (57%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0063, 14.4669, 2.1596 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 12.0063, 14.4669, 2.1596 by changing the saturation by 10% instead.

■ 12.0063, 14.4669,
2.1596

■ 12.0063, 14.4669,
2.1596

198.2161,
220.1164, 124.8078

■ 6.8202, 8.4461,
0.6509

■ 29.1233, 33.9152,
9.4727

■ 3.3952, 4.3817,
0.0000

■ 41.7850, 48.1115,
16.1469

■ 1.3661, 1.8893,
0.0000

■ 57.6692, 65.8018,
25.3910

■ 0.2318, 0.5419,
0.0000

■ 77.1413, 87.3704,
37.6235


■ 0.0000, 0.0000,
0.0000


■ 100.5667,
113.2018, 53.2628


■ 128.3107,


143.6803, 72.7276


 160.7387,
179.1904, 96.4364


 12.0063, 14.4669,
2.1596


 12.0063, 14.4669,
2.1596


 12.0066, 14.4676,
2.1597

 12.0671, 14.4918,
2.4780

 12.1516, 14.5256,
2.9227

 12.2814, 14.5775,
3.6058

 12.4616, 14.6496,
4.5545

 12.6967, 14.7436,
5.7921

■ 12.9906, 14.8612,
7.3394

■ 13.3469, 15.0037,
9.2154

■ 13.7689, 15.1725,
11.4375

■ 14.2597, 15.3689,
14.0218

Harmonies

Analogous

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



16.3116, 14.4669, 2.2830



12.0063, 14.4669, 2.1596



8.8947, 14.4669, 4.0483

Triad

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



12.0063, 14.4669, 2.1596



8.5737, 14.4669, 37.7218



23.1651, 14.4669, 23.7372

Complementary

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



12.0063, 14.4669, 2.1596



2.8149, 1.1261, 14.8219

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.



20.1131, 14.4669, 39.9929



12.0063, 14.4669, 2.1596



11.4723, 14.4669, 50.5205

Square

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



12.0063, 14.4669, 2.1596



7.2066, 14.4669, 21.5727



15.6556, 14.4669, 51.5174



23.3909, 14.4669, 11.0856

Rectangle

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



12.0063, 14.4669, 2.1596



7.6698, 14.4669, 7.2846



15.6556, 14.4669, 51.5174



22.4107, 14.4669, 29.0760

Sweetspot

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



12.0066, 14.4676, 2.1599



23.3836, 26.3259, 15.8954



6.4310, 3.3154, 0.3012



5.3938, 6.1071, 3.4480



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.



12.0066, 14.4676, 2.1599



21.0845, 25.4062, 3.7926



7.1522, 11.9650, 1.9327



3.6418, 3.9162, 3.6373



14.4227, 17.3789, 2.5943



71.8455, 86.5717, 12.9234

Inverse Universe

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



2.8149, 1.1261, 14.8219



4.9429, 1.9772, 26.0283



4.3906, 1.9384, 14.8956



3.2176, 3.3005, 4.2217



3.3811, 1.3525, 17.8045



16.8427, 6.7371, 88.6918

Previews

White Background



This preview shows how the XYZ color 12.0063, 14.4669, 2.1596 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 12.0063, 14.4669, 2.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

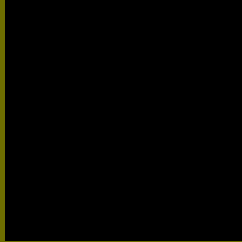
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0063, 14.4669, 2.1596

Background



This preview shows how black text looks on a background with the XYZ color 12.0063, 14.4669, 2.1596.



This preview shows how white text looks on a background with the XYZ color 12.0063, 14.4669,

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

12.0063, 14.4669, 2.1596

Protanopia

13.0034, 14.5085, 2.1151

Deuteranopia

14.5864, 14.4162, 2.5441



Tritanopia

14.9020, 14.4104, 16.7479

Trichromacy



Original Color

12.0063, 14.4669, 2.1596

Protanomaly

12.5650, 14.4381, 2.1246

Deuteranomaly

13.4682, 14.2848, 2.3640

Tritanomaly

13.0965, 14.1228, 7.8301

Monochromacy



Original Color

12.0063, 14.4669, 2.1596

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.1004, 12.6753, 6.4190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0063, 14.4669, 2.1596 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(110, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 110, 0)  
}
```

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(110, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0063, 14.4669, 2.1596 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(110, 110, 0) }
```


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

```
.border{ border-color:rgb(110, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0063, 14.4669, 2.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 110, 0) }
```

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

```
.background{ background-color: rgb(110,  
110, 0) }
```

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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