

Converting Colors

XYZ(11.6037, 15.8763, 0.0825)

Have a look what the booklet for
XYZ(11.6037, 15.8763, 0.0825)
contains.

XYZ(12.0763, 16.0184, 2.4554)	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(12.0763, 16.0184,
2.4554)**

Conversions

Conversions Part 1

Format	Color
Hex	667700
RGB	102, 119, 0
RGB Percent	40%, 47%, 0%
CMY	0.6000, 0.5333, 1.0000
CMYK	0.14, 0.00, 1.00, 0.53
HSL	69°, 100%, 23%
HSV	69°, 100%, 47%
XYZ	12.0763, 16.0184, 2.4554
YIQ	100.3510, 28.0670, -40.6130

Conversions

Conversions Part 2

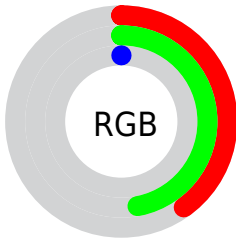
Format	Color
RYB	0, 119, 17
Decimal	6715136
CIELab	47.00, -20.18, 52.11
CIELCh	47, 55.885, 111.170
Yxy	16.0184, 0.3953, 0.5243
Android (android.graphics.Color)	4284905216 (0xFF667700)
YUV	100.3510, -49.4730, 1.4462
Hunter-Lab	40.0230, -16.1807, 24.3787

Details

The XYZ color **12.0763, 16.0184, 2.4554** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5614, 1.4514, 17.5461**, and the grayscale version is **12.3211, 12.9628, 14.1165**.

A 20% lighter version of the original color is **29.1704, 36.5526, 10.2205**, and **3.6185, 5.2103, 0.8150** is the 20% darker color. If you saturate the color by 10%, you get **12.0765, 16.0190, 2.4555**, and if you desaturate by 10%, it is **12.3371, 16.1458, 2.8111**.

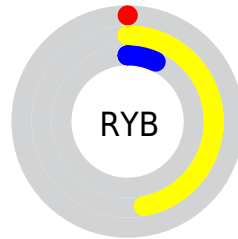
Distribution



Red (40%)

Green (47%)

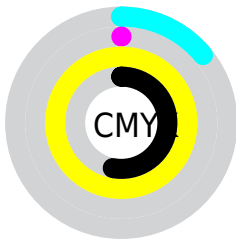
Blue (0%)



Red (0%)

Yellow (47%)

Blue (7%)

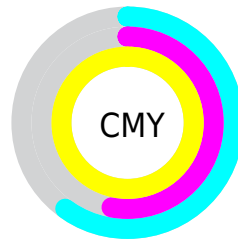


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0763, 16.0184, 2.4554 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 12.0763, 16.0184, 2.4554 by changing the saturation by 10% instead.

■ 12.0763, 16.0184,
2.4554

■ 12.0763, 16.0184,
2.4554

198.6694,
229.4503, 129.0896

■ 6.8682, 9.5372,
0.8164

■ 29.2496, 36.6301,
10.2521

■ 3.4254, 5.0932,
0.0000

■ 41.9456, 51.5295,
17.2543

■ 1.3825, 2.3020,
0.0000

■ 57.8683, 70.0036,
26.8838

■ 0.2437, 0.7748,
0.0000


■ 77.3830, 92.4369,
39.5592


■ 0.0000, 0.0000,
0.0000


■ 100.8551,
119.2139, 55.6989


■ 128.6500,


150.7188, 75.7215


 161.1329,
187.3361, 100.0456


 12.0763, 16.0184,
2.4554


 12.0763, 16.0184,
2.4554


 12.0765, 16.0190,
2.4555

 12.3371, 16.1458,
2.8111

 12.6329, 16.2871,
3.3317

 12.9867, 16.4520,
4.1370

 13.4049, 16.6432,
5.2602

 13.8929, 16.8627,
6.7299

■ 14.4556, 17.1126,
8.5717

■ 15.0973, 17.3946,
10.8084

■ 15.8222, 17.7103,
13.4613

■ 16.6339, 18.0612,
16.5500

Harmonies

Analogous

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



16.7140, 16.0184, 2.0719



12.0763, 16.0184, 2.4554



9.0135, 16.0184, 5.4214

Triad

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



12.0763, 16.0184, 2.4554



10.0589, 16.0184, 47.9422



26.5308, 16.0184, 21.9086

Complementary

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



12.0763, 16.0184, 2.4554



3.5614, 1.4514, 17.5461

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.



23.7846, 16.0184, 40.3522



12.0763, 16.0184, 2.4554



13.8272, 16.0184, 59.8605

Square

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



12.0763, 16.0184, 2.4554



8.0339, 16.0184, 29.0821



18.8783, 16.0184, 56.5167



25.7806, 16.0184, 9.4136

Rectangle

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



12.0763, 16.0184, 2.4554



7.9485, 16.0184, 10.1154



18.8783, 16.0184, 56.5167



25.9676, 16.0184, 27.6531

Sweetspot

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



12.0767, 16.0191, 2.4557



26.9401, 31.1063, 19.0198



7.7916, 4.2890, 0.4174



6.2885, 7.3298, 4.1684



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.0767, 16.0191, 2.4557



21.5371, 28.6391, 4.3928



7.6205, 13.7219, 2.2472



3.9177, 4.2411, 3.9544



12.8239, 17.0153, 2.6084



61.9419, 82.6340, 12.6853

Inverse Universe

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



3.5614, 1.4514, 17.5461



6.2986, 2.5582, 31.4149



6.2608, 2.8430, 17.6725



3.5449, 3.6127, 4.6007



3.7777, 1.5388, 18.6405



17.9571, 7.2657, 90.8163

Previews

White Background



This preview shows how the XYZ color 12.0763, 16.0184, 2.4554 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 12.0763, 16.0184, 2.4554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

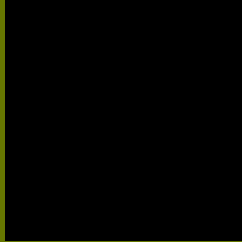
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0763, 16.0184, 2.4554

Background



This preview shows how black text looks on a background with the XYZ color 12.0763, 16.0184, 2.4554.



This preview shows how white text looks on a background with the XYZ color 12.0763, 16.0184,

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

12.0763, 16.0184, 2.4554

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

16.1046, 15.9377, 2.9369



Tritanopia

15.5698, 16.0803, 19.7360

Trichromacy



Original Color

12.0763, 16.0184, 2.4554

Protanomaly

13.4669, 16.0434, 2.3869

Deuteranomaly

14.3613, 15.8336, 2.6800

Tritanomaly

13.5062, 15.7446, 9.1646

Monochromacy



Original Color

12.0763, 16.0184, 2.4554

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.5499, 13.6523, 6.8769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0763, 16.0184, 2.4554 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(102, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 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(102, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0763, 16.0184, 2.4554 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(102, 119, 0) }
```


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

```
.border{ border-color:rgb(102, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0763, 16.0184, 2.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 0) }
```

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

```
.background{ background-color: rgb(102,  
119, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor