

Converting Colors

XYZ(12.1203, 14.9643, 0.0000)

Have a look what the booklet for
XYZ(12.1203, 14.9643, 0.0000)
contains.

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Color

**XYZ(12.4763, 15.0331,
2.2441)**

Conversions

Conversions Part 1

Format	Color
Hex	707000
RGB	112, 112, 0
RGB Percent	44%, 44%, 0%
CMY	0.5608, 0.5608, 1.0000
CMYK	0.00, 0.00, 1.00, 0.56
HSL	60°, 100%, 22%
HSV	60°, 100%, 44%
XYZ	12.4763, 15.0331, 2.2441
YIQ	99.2320, 35.9520, -34.8320

Conversions

Conversions Part 2

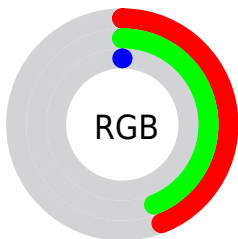
Format	Color
RYB	0, 112, 0
Decimal	7368704
CIELab	45.68, -11.75, 51.51
CIELCh	46, 52.833, 102.852
Yxy	15.0331, 0.4193, 0.5053
Android (android.graphics.Color)	4285558784 (0xFF707000)
YUV	99.2320, -48.9214, 11.1975
Hunter-Lab	38.7725, -10.4139, 23.7092

Details

The XYZ color **12.4763, 15.0331, 2.2441** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9250, 1.1701, 15.4019**, and the grayscale version is **12.0322, 12.6588, 13.7854**.

A 20% lighter version of the original color is **29.9030, 34.7577, 9.6903**, and **3.7538, 4.7413, 0.7173** is the 20% darker color. If you saturate the color by 10%, you get **12.4766, 15.0338, 2.2442**, and if you desaturate by 10%, it is **12.5383, 15.0585, 2.5687**.

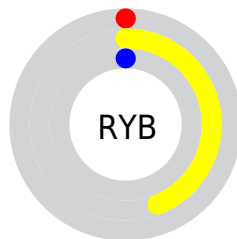
Distribution



Red (44%)

Green (44%)

Blue (0%)



Red (0%)

Yellow (44%)

Blue (0%)

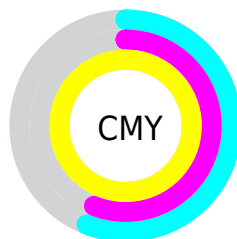


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (56%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4763, 15.0331, 2.2441 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 12.4763, 15.0331, 2.2441 by changing the saturation by 10% instead.

■ 12.4763, 15.0331,
2.2441

■ 12.4763, 15.0331,
2.2441

201.2397,
223.5665, 126.0589

■ 7.1434, 8.8426,
0.6996

■ 29.9691, 34.9112,
9.6980

■ 3.5991, 4.6387,
0.0000

■ 42.8597, 49.3677,
16.4680

■ 1.4779, 2.0369,
0.0000

■ 59.0002, 67.3482,
25.8248

■ 0.3107, 0.6288,
0.0000


■ 78.7561, 89.2373,
38.1869


■ 0.0000, 0.0000,
0.0000


■ 102.4926,
115.4193, 53.9728


■ 130.5751,


146.2785, 73.6011


 163.3690,
182.1995, 97.4903


 12.4763, 15.0331,
2.2441


 12.4763, 15.0331,
2.2441


 12.4766, 15.0338,
2.2442

 12.5383, 15.0585,
2.5687

 12.6255, 15.0933,
3.0277

 12.7598, 15.1471,
3.7350

 12.9467, 15.2219,
4.7190

 13.1908, 15.3195,
6.0041

■ 13.4962, 15.4417,
7.6122

■ 13.8667, 15.5899,
9.5631

■ 14.3058, 15.7655,
11.8749

■ 14.8166, 15.9698,
14.5645

Harmonies

Analogous

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



16.9502, 15.0331, 2.3723



12.4763, 15.0331, 2.2441



9.2429, 15.0331, 4.2066

Triad

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



12.4763, 15.0331, 2.2441



8.9092, 15.0331, 39.1977



24.0717, 15.0331, 24.6667

Complementary

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



12.4763, 15.0331, 2.2441



2.9250, 1.1701, 15.4019

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.



20.9001, 15.0331, 41.5585



12.4763, 15.0331, 2.2441



11.9212, 15.0331, 52.4976

Square

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



12.4763, 15.0331, 2.2441



7.4887, 15.0331, 22.4166



16.2682, 15.0331, 53.5339



24.3065, 15.0331, 11.5197

Rectangle

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



12.4763, 15.0331, 2.2441



7.9700, 15.0331, 7.5695



16.2682, 15.0331, 53.5339



23.2878, 15.0331, 30.2144

Sweetspot

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



12.4766, 15.0338, 2.2444



24.3032, 27.3637, 16.5050



6.6826, 3.4451, 0.3129



5.7853, 6.5526, 3.6840



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.



12.4766, 15.0338, 2.2444



21.9170, 26.4091, 3.9423



7.4257, 12.4300, 2.0080



3.6419, 3.9162, 3.6373



14.4229, 17.3790, 2.5943



71.8466, 86.5723, 12.9234

Inverse Universe

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



2.9250, 1.1701, 15.4019



5.1379, 2.0552, 27.0557



4.5560, 2.0110, 15.4782



3.2176, 3.3005, 4.2217



3.3811, 1.3524, 17.8045



16.8427, 6.7371, 88.6918

Previews

White Background



This preview shows how the XYZ color 12.4763, 15.0331, 2.2441 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 12.4763, 15.0331, 2.2441 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 12.4763, 15.0331, 2.2441

Background



This preview shows how black text looks on a background with the XYZ color 12.4763, 15.0331, 2.2441.



This preview shows how white text looks on a background with the XYZ color 12.4763, 15.0331,

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

12.4763, 15.0331, 2.2441

Protanopia

13.4947, 15.0749, 2.1985

Deuteranopia

15.2680, 15.0593, 2.6323



Tritanopia

15.4827, 14.9924, 17.4070

Trichromacy



Original Color

12.4763, 15.0331, 2.2441

Protanomaly

13.0471, 15.0034, 2.2083

Deuteranomaly

14.1165, 14.9214, 2.4527

Tritanomaly

13.5975, 14.6833, 8.0787

Monochromacy



Original Color

12.4763, 15.0331, 2.2441

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.5564, 13.2026, 6.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4763, 15.0331, 2.2441 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(112, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 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(112, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4763, 15.0331, 2.2441 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(112, 112, 0) }
```


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

```
.border{ border-color:rgb(112, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(112, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4763, 15.0331, 2.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 0) }
```

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

```
.background{ background-color: rgb(112,  
112, 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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