

Converting Colors

XYZ(11.8086, 15.7274, 0.0000)

Have a look what the booklet for
XYZ(11.8086, 15.7274, 0.0000)
contains.

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Color

**XYZ(12.3041, 15.9601,
2.4321)**

Conversions

Conversions Part 1

Format	Color
Hex	697600
RGB	105, 118, 0
RGB Percent	41%, 46%, 0%
CMY	0.5882, 0.5372, 1.0000
CMYK	0.11, 0.00, 1.00, 0.54
HSL	67°, 100%, 23%
HSV	67°, 100%, 46%
XYZ	12.3041, 15.9601, 2.4321
YIQ	100.6610, 30.1300, -39.4540

Conversions

Conversions Part 2

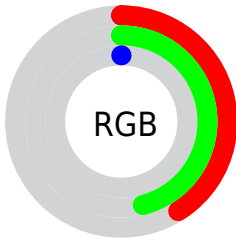
Format	Color
RYB	0, 118, 13
Decimal	6911488
CIELab	46.92, -18.28, 52.16
CIELCh	47, 55.272, 109.315
Yxy	15.9601, 0.4008, 0.5199
Android (android.graphics.Color)	4285101568 (0xFF697600)
YUV	100.6610, -49.6259, 3.8053
Hunter-Lab	39.9501, -14.9370, 24.3556

Details

The XYZ color **12.3041, 15.9601, 2.4321** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4364, 1.3939, 17.2284**, and the grayscale version is **12.4011, 13.0469, 14.2081**.

A 20% lighter version of the original color is **29.5700, 36.4793, 10.1853**, and **3.7115, 5.1646, 0.8012** is the 20% darker color. If you saturate the color by 10%, you get **12.3043, 15.9608, 2.4322**, and if you desaturate by 10%, it is **12.5235, 16.0662, 2.7827**.

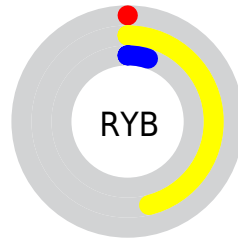
Distribution



Red (41%)

Green (46%)

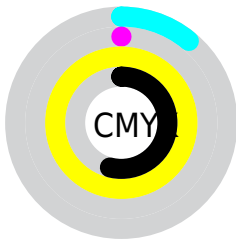
Blue (0%)



Red (0%)

Yellow (46%)

Blue (5%)

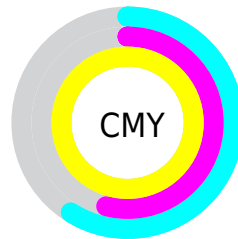


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (59%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3041, 15.9601, 2.4321 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 12.3041, 15.9601, 2.4321 by changing the saturation by 10% instead.

■ 12.3041, 15.9601,
2.4321

■ 12.3041, 15.9601,
2.4321

200.1373,
229.1062, 128.7619

■ 7.0248, 9.4959,
0.8038

■ 29.6598, 36.5289,
10.1916

■ 3.5241, 5.0660,
0.0000

■ 42.4670, 51.4024,
17.1687

■ 1.4366, 2.2861,
0.0000

■ 58.5141, 69.8477,
26.7688

■ 0.2821, 0.7663,
0.0000

■ 78.1666, 92.2492,
39.4103


■ 0.0000, 0.0000,
0.0000


■ 101.7899,
118.9915, 55.5118


■ 129.7491,


150.4588, 75.4919


 162.4098,
187.0356, 99.7691


 12.3041, 15.9601,
2.4321


 12.3041, 15.9601,
2.4321


 12.3043, 15.9608,
2.4322

 12.5235, 16.0662,
2.7827

 12.7754, 16.1851,
3.2936

 13.0827, 16.3263,
4.0838

 13.4516, 16.4924,
5.1858

 13.8873, 16.6856,
6.6275

■ 14.3946, 16.9077,
8.4339

■ 14.9778, 17.1604,
10.6276

■ 15.6409, 17.4453,
13.2292

■ 16.3876, 17.7640,
16.2580

Harmonies

Analogous

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



16.9549, 15.9601, 2.1638



12.3041, 15.9601, 2.4321



9.1676, 15.9601, 5.1769

Triad

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



12.3041, 15.9601, 2.4321



9.8913, 15.9601, 46.3031



26.2301, 15.9601, 22.7823

Complementary

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



12.3041, 15.9601, 2.4321



3.4364, 1.3939, 17.2284

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.



23.3453, 15.9601, 41.0807



12.3041, 15.9601, 2.4321



13.5142, 15.9601, 58.7265

Square

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



12.3041, 15.9601, 2.4321



7.9926, 15.9601, 27.7270



18.4487, 15.9601, 56.4276



25.7132, 15.9601, 9.9897

Rectangle

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



12.3041, 15.9601, 2.4321



8.0422, 15.9601, 9.5828



18.4487, 15.9601, 56.4276



25.6055, 15.9601, 28.5497

Sweetspot

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



12.3045, 15.9608, 2.4324



26.2525, 30.1366, 18.3708



7.6008, 4.1101, 0.3929



5.9556, 6.8942, 3.9181



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.3045, 15.9608, 2.4324



21.5671, 28.0283, 4.2733



7.6606, 13.5668, 2.2151



3.9288, 4.2468, 3.9549



13.3045, 17.2631, 2.6309



64.3891, 83.8956, 12.7998

Inverse Universe

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



3.4364, 1.3939, 17.2284



5.9785, 2.4178, 30.2886



5.8545, 2.6404, 17.3416



3.5347, 3.6074, 4.6002



3.7110, 1.5044, 18.6374



17.7060, 7.1363, 90.8045

Previews

White Background



This preview shows how the XYZ color 12.3041, 15.9601, 2.4321 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

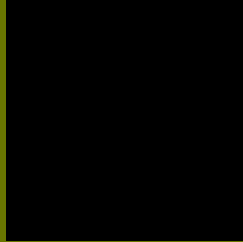
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3041, 15.9601, 2.4321

Background



This preview shows how black text looks on a background with the XYZ color 12.3041, 15.9601, 2.4321.



This preview shows how white text looks on a background with the XYZ color 12.3041, 15.9601,

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

12.3041, 15.9601, 2.4321

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

15.9931, 15.7291, 2.8549



Tritanopia

15.7854, 16.0373, 19.4031

Trichromacy



Original Color

12.3041, 15.9601, 2.4321

Protanomaly

13.4885, 15.8862, 2.3554

Deuteranomaly

14.4010, 15.6929, 2.6508

Tritanomaly

13.7307, 15.6978, 8.9629

Monochromacy



Original Color

12.3041, 15.9601, 2.4321

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.6626, 13.7103, 6.8822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3041, 15.9601, 2.4321 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(105, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 118, 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(105, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3041, 15.9601, 2.4321 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(105, 118, 0) }
```


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

```
.border{ border-color:rgb(105, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(105, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3041, 15.9601, 2.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 118, 0) }
```

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

```
.background{ background-color: rgb(105,  
118, 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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