

Converting Colors

XYZ(12.1329, 14.8615, 2.2765)

Have a look what the booklet for
XYZ(12.1329, 14.8615, 2.2765)
contains.

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Color

**XYZ(12.1118, 14.8439,
2.2842)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7002
RGB	109, 112, 2
RGB Percent	43%, 44%, 1%
CMY	0.5725, 0.5608, 0.9921
CMYK	0.03, 0.00, 0.98, 0.56
HSL	62°, 96%, 22%
HSV	62°, 98%, 44%
XYZ	12.1118, 14.8439, 2.2842
YIQ	98.5630, 33.5220, -34.8460

Conversions

Conversions Part 2

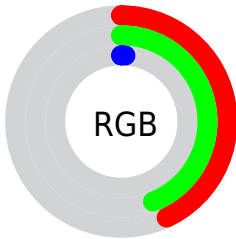
Format	Color
R_{YB}	2, 112, 5
Decimal	7172098
CIE _{Lab}	45.42, -13.13, 50.74
CIE _{LCh}	45, 52.408, 104.510
Yxy	14.8439, 0.4142, 0.5077
Android (android.graphics.Color)	4285362178 (0xFF6D7002)
YUV	98.5630, -47.6056, 9.1532
Hunter-Lab	38.5278, -11.3094, 23.4543

Details

The XYZ color **12.1118, 14.8439, 2.2842** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0093, 1.2458, 15.4120**, and the grayscale version is **11.8601, 12.4778, 13.5883**.

A 20% lighter version of the original color is **29.3042, 34.4458, 9.8068**, and **3.5207, 4.5366, 0.6901** is the 20% darker color. If you saturate the color by 10%, you get **12.0944, 14.8367, 2.2263**, and if you desaturate by 10%, it is **12.2128, 14.8892, 2.6180**.

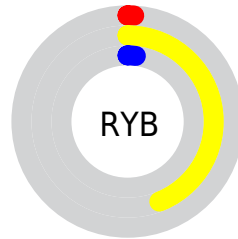
Distribution



Red (43%)

Green (44%)

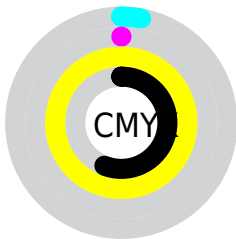
Blue (1%)



Red (1%)

Yellow (44%)

Blue (2%)

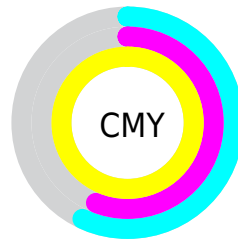


Cyan (3%)

Magenta (0%)

Yellow (98%)

Black (56%)



Cyan (57%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1118, 14.8439, 2.2842 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 12.1118, 14.8439, 2.2842 by changing the saturation by 10% instead.

■ 12.1118, 14.8439,
2.2842

■ 12.1118, 14.8439,
2.2842

198.8989,
222.4194, 126.6445

■ 6.8926, 8.7099,
0.7223

■ 29.3137, 34.5791,
9.8042

■ 3.4408, 4.5525,
0.0000

■ 42.0270, 48.9491,
16.6190

■ 1.3909, 1.9871,
0.0000

■ 57.9692, 66.8332,
26.0285

■ 0.2497, 0.6000,
0.0000


■ 77.5054, 88.6158,
38.4512


■ 0.0000, 0.0000,
0.0000


■ 101.0012,
114.6814, 54.3056


■ 128.8218,


145.4142, 74.0103


 161.3325,
181.1988, 97.9837


 12.1118, 14.8439,
2.2842


 12.1118, 14.8439,
2.2842


 12.0944, 14.8367,
2.2263

 12.2128, 14.8892,
2.6180

 12.3458, 14.9468,
3.1208

 12.5271, 15.0237,
3.8773

 12.7619, 15.1220,
4.9151

 13.0548, 15.2436,
6.2582

■ 13.4099, 15.3900,
7.9278

■ 13.8308, 15.5629,
9.9436

■ 14.3210, 15.7634,
12.3234

■ 14.8836, 15.9929,
15.0840

Harmonies

Analogous

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



16.4669, 14.8439, 2.3132



12.1118, 14.8439, 2.2842



9.0123, 14.8439, 4.3789

Triad

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



12.1118, 14.8439, 2.2842



8.9373, 14.8439, 39.4960



23.8215, 14.8439, 23.4557

Complementary

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



12.1118, 14.8439, 2.2842



3.0093, 1.2458, 15.4120

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.



20.8354, 14.8439, 40.0251



12.1118, 14.8439, 2.2842



11.9871, 14.8439, 52.0693

Square

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



12.1118, 14.8439, 2.2842



7.4523, 14.8439, 22.9510



16.3138, 14.8439, 52.3015



23.8742, 14.8439, 10.8650

Rectangle

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



12.1118, 14.8439, 2.2842



7.8164, 14.8439, 7.8788



16.3138, 14.8439, 52.3015



23.1039, 14.8439, 28.8452

Sweetspot

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



12.1121, 14.8446, 2.2845



24.1735, 27.2884, 16.8774



6.7351, 3.5327, 0.3845



5.7465, 6.5308, 3.7613



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.



12.1121, 14.8446, 2.2845



21.2285, 26.0542, 3.9101



7.3904, 12.4105, 2.0635



3.6333, 3.9118, 3.6369



13.9780, 17.1496, 2.5735



69.5060, 85.3657, 12.8139

Inverse Universe

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



3.0093, 1.2458, 15.4120



5.1875, 2.0808, 27.0580



4.7406, 2.1383, 15.4930



3.2253, 3.3044, 4.2220



3.4220, 1.3735, 17.8064



16.9271, 6.7806, 88.6958

Previews

White Background



This preview shows how the XYZ color 12.1118, 14.8439, 2.2842 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 12.1118, 14.8439, 2.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

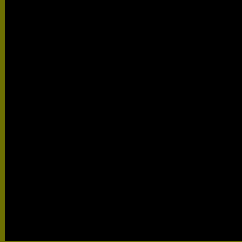
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1118, 14.8439, 2.2842

Background



This preview shows how black text looks on a background with the XYZ color 12.1118, 14.8439, 2.2842.



This preview shows how white text looks on a background with the XYZ color 12.1118, 14.8439,

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

12.1118, 14.8439, 2.2842

Protanopia

13.2477, 14.7901, 2.1565

Deuteranopia

15.0139, 14.7807, 2.6339



Tritanopia

15.2111, 14.8524, 17.3943

Trichromacy



Original Color

12.1118, 14.8439, 2.2842

Protanomaly

12.8102, 14.7214, 2.1951

Deuteranomaly

13.8246, 14.7702, 2.4701

Tritanomaly

13.3668, 14.5607, 8.2369

Monochromacy



Original Color

12.1118, 14.8439, 2.2842

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4692, 13.1544, 6.7850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1118, 14.8439, 2.2842 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(109, 112, 2)` looks like.

```
.text, #text, p{  
    color:rgb(109, 112, 2)  
}
```

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(109, 112, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 112, 2) }
```

Border

The CSS property to change the border of an element to XYZ 12.1118, 14.8439, 2.2842 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(109, 112, 2) }
```


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

```
.border{ border-color:rgb(109, 112, 2) }
```

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

Here you see how a box with a 4 pixel rgb(109, 112, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 112, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 112, 2);  
box-shadow:4px 4px 4px 4px rgb(109, 112,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1118, 14.8439, 2.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 112, 2) }
```

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

```
.background{ background-color: rgb(109,  
112, 2) }
```

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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