

Converting Colors

XYZ(12.5739, 14.9844, 2.2296)

Have a look what the booklet for
XYZ(12.5739, 14.9844, 2.2296)
contains.

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Color

**XYZ(12.4945, 14.8796,
2.2135)**

Conversions

Conversions Part 1

Format	Color
Hex	716F00
RGB	113, 111, 0
RGB Percent	44%, 44%, 0%
CMY	0.5569, 0.5647, 1.0000
CMYK	0.00, 0.02, 1.00, 0.56
HSL	59°, 100%, 22%
HSV	59°, 100%, 44%
XYZ	12.4945, 14.8796, 2.2135
YIQ	98.9440, 36.8230, -34.0970

Conversions

Conversions Part 2

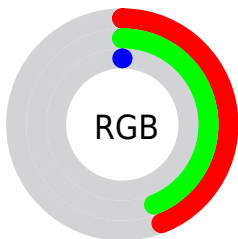
Format	Color
R_YB	2, 113, 0
Decimal	7433984
CIE Lab	45.47, -10.72, 51.40
CIE LCh	45, 52.502, 101.782
Yxy	14.8796, 0.4223, 0.5029
Android (android.graphics.Color)	4285624064 (0xFF716F00)
YUV	98.9440, -48.7794, 12.3271
Hunter-Lab	38.5741, -9.6869, 23.5996

Details

The XYZ color **12.4945, 14.8796, 2.2135** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0024, 1.2357, 15.7030**, and the grayscale version is **11.9586, 12.5814, 13.7012**.

A 20% lighter version of the original color is **29.9383, 34.5133, 9.6412**, and **3.7579, 4.6589, 0.7012** is the 20% darker color. If you saturate the color by 10%, you get **12.4948, 14.8803, 2.2136**, and if you desaturate by 10%, it is **12.5788, 14.9488, 2.5484**.

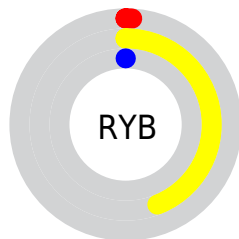
Distribution



Red (44%)

Green (44%)

Blue (0%)



Red (1%)

Yellow (44%)

Blue (0%)

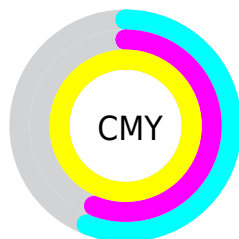


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (56%)



Cyan (56%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4945, 14.8796, 2.2135 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 12.4945, 14.8796, 2.2135 by changing the saturation by 10% instead.

12.4945, 14.8796,
2.2135

12.4945, 14.8796,
2.2135

201.3558,
222.6363, 125.6086

7.1560, 8.7349,
0.6821

30.0017, 34.6418,
9.6167

3.6070, 4.5687,
0.0000

42.9011, 49.0282,
16.3522

1.4823, 1.9965,
0.0000

59.0515, 66.9305,
25.6684

0.3138, 0.6054,
0.0000

78.8182, 88.7333,
37.9839


0.0000, 0.0000,
0.0000


102.5667,
114.8209, 53.7170


130.6622,


145.5776, 73.2865


 163.4701,
181.3880, 97.1109


 12.4945, 14.8796,
2.2135


 12.4945, 14.8796,
2.2135


 12.4948, 14.8803,
2.2136

 12.5788, 14.9488,
2.5484

 12.6892, 15.0279,
3.0219

 12.8478, 15.1264,
3.7488

 13.0600, 15.2464,
4.7579

 13.3306, 15.3899,
6.0745

■ 13.6639, 15.5585,
7.7207

■ 14.0636, 15.7537,
9.7168

■ 14.5334, 15.9771,
12.0815

■ 15.0765, 16.2299,
14.8320

Harmonies

Analogous

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



16.9373, 14.8796, 2.4044



12.4945, 14.8796, 2.2135



9.2479, 14.8796, 4.0625

Triad

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



12.4945, 14.8796, 2.2135



8.7540, 14.8796, 38.1226



23.7260, 14.8796, 24.9553

Complementary

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



12.4945, 14.8796, 2.2135



3.0024, 1.2357, 15.7030

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.



20.5166, 14.8796, 41.6057



12.4945, 14.8796, 2.2135



11.6736, 14.8796, 51.5229

Square

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



12.4945, 14.8796, 2.2135



7.4056, 14.8796, 21.6317



15.9296, 14.8796, 53.0510



24.0727, 14.8796, 11.7656

Rectangle

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



12.4945, 14.8796, 2.2135



7.9527, 14.8796, 7.2750



15.9296, 14.8796, 53.0510



22.9196, 14.8796, 30.4614

Sweetspot

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



12.4948, 14.8803, 2.2138



25.1213, 28.1801, 17.0871



6.8307, 3.5191, 0.4276



5.7541, 6.4901, 3.6736



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.



12.4948, 14.8803, 2.2138



22.3640, 26.6252, 3.9605



7.7849, 12.7792, 2.0565



3.6371, 3.9066, 3.6357



14.1719, 16.8763, 2.5105



70.5259, 83.9270, 12.4824

Inverse Universe

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



3.0024, 1.2357, 15.7030



5.3657, 2.1917, 28.1157



4.4350, 1.9421, 15.7638



3.2219, 3.3090, 4.2231



3.4040, 1.3984, 17.8121



16.8900, 6.8319, 88.7076

Previews

White Background



This preview shows how the XYZ color 12.4945, 14.8796, 2.2135 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 12.4945, 14.8796, 2.2135 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 12.4945, 14.8796, 2.2135

Background



This preview shows how black text looks on a background with the XYZ color 12.4945, 14.8796, 2.2135.



This preview shows how white text looks on a background with the XYZ color 12.4945, 14.8796,

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

12.4945, 14.8796, 2.2135

Protanopia

13.3886, 14.8627, 2.1631

Deuteranopia

14.9982, 14.7744, 2.5515



Tritanopia

15.4652, 14.8413, 17.0885

Trichromacy



Original Color

12.4945, 14.8796, 2.2135

Protanomaly

13.0764, 14.8592, 2.1789

Deuteranomaly

14.0084, 14.7143, 2.3890

Tritanomaly

13.6275, 14.5449, 8.0504

Monochromacy



Original Color

12.4945, 14.8796, 2.2135

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.4564, 13.0024, 6.6085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4945, 14.8796, 2.2135 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(113, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 111, 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(113, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4945, 14.8796, 2.2135 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(113, 111, 0) }
```


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

```
.border{ border-color:rgb(113, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4945, 14.8796, 2.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 111, 0) }
```

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

```
.background{ background-color: rgb(113,  
111, 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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