

Converting Colors

XYZ(12.7945, 17.0000, 2.6049)

Have a look what the booklet for
XYZ(12.7945, 17.0000, 2.6049)
contains.

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Color

**XYZ(12.7852, 16.9223,
2.5925)**

Conversions

Conversions Part 1

Format	Color
Hex	697A00
RGB	105, 122, 0
RGB Percent	41%, 48%, 0%
CMY	0.5882, 0.5216, 1.0000
CMYK	0.14, 0.00, 1.00, 0.52
HSL	68°, 100%, 24%
HSV	68°, 100%, 48%
XYZ	12.7852, 16.9223, 2.5925
YIQ	103.0090, 29.0300, -41.5460

Conversions

Conversions Part 2

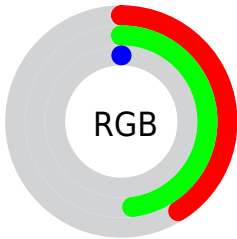
Format	Color
RYB	0, 122, 17
Decimal	6912512
CIELab	48.16, -20.37, 53.09
CIELCh	48, 56.861, 110.994
Yxy	16.9223, 0.3958, 0.5239
Android (android.graphics.Color)	4285102592 (0xFF697A00)
YUV	103.0090, -50.7834, 1.7461
Hunter-Lab	41.1367, -16.5119, 25.0592

Details

The XYZ color **12.7852, 16.9223, 2.5925** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7445, 1.5247, 18.5103**, and the grayscale version is **13.0199, 13.6980, 14.9171**.

A 20% lighter version of the original color is **30.5587, 38.1159, 10.5970**, and **3.8507, 5.5220, 0.8629** is the 20% darker color. If you saturate the color by 10%, you get **12.7854, 16.9230, 2.5926**, and if you desaturate by 10%, it is **13.0549, 17.0541, 2.9583**.

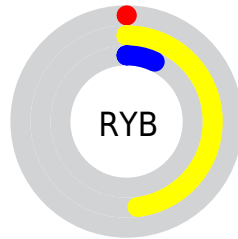
Distribution



Red (41%)

Green (48%)

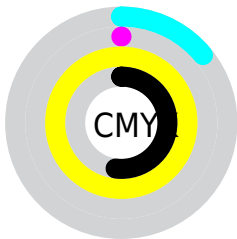
Blue (0%)



Red (0%)

Yellow (48%)

Blue (7%)

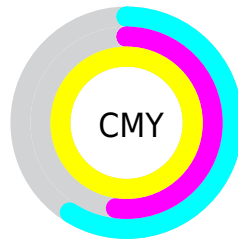


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (59%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7852, 16.9223, 2.5925 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 12.7852, 16.9223, 2.5925 by changing the saturation by 10% instead.

■ 12.7852, 16.9223,
2.5925

■ 12.7852, 16.9223,
2.5925

203.2020,
234.7242, 130.9882

■ 7.3568, 10.1791,
0.8886

■ 30.5220, 38.1921,
10.6052

■ 3.7345, 5.5179,
0.0000

■ 43.5610, 53.4876,
17.7530

■ 1.5531, 2.5542,
0.0000

■ 59.8676, 72.4025,
27.5531

■ 0.3615, 0.9037,
0.0000


■ 79.8072, 95.3214,
40.4242


■ 0.0000, 0.0000,
0.0000


■ 103.7451,
122.6287, 56.7847


■ 132.0466,


154.7086, 77.0531


 165.0771,
191.9457, 101.6481


 12.7852, 16.9223,
2.5925


 12.7852, 16.9223,
2.5925


 12.7854, 16.9230,
2.5926

 13.0549, 17.0541,
2.9583

 13.3622, 17.2008,
3.5025

 13.7307, 17.3724,
4.3478

 14.1671, 17.5717,
5.5297

 14.6773, 17.8010,
7.0787

■ 15.2664, 18.0622,
9.0217

■ 15.9390, 18.3574,
11.3834

■ 16.6996, 18.6883,
14.1863

■ 17.5521, 19.0563,
17.4512

Harmonies

Analogous

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



17.6876, 16.9223, 2.1988



12.7852, 16.9223, 2.5925



9.5410, 16.9223, 5.7042

Triad

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



12.7852, 16.9223, 2.5925



10.6132, 16.9223, 50.4971



28.0071, 16.9223, 23.2406

Complementary

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



12.7852, 16.9223, 2.5925



3.7445, 1.5247, 18.5103

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.



25.0907, 16.9223, 42.7176



12.7852, 16.9223, 2.5925



14.5806, 16.9223, 63.1447

Square

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



12.7852, 16.9223, 2.5925



8.4861, 16.9223, 30.5944



19.9067, 16.9223, 59.7177



27.2381, 16.9223, 10.0057

Rectangle

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



12.7852, 16.9223, 2.5925



8.4094, 16.9223, 10.6350



19.9067, 16.9223, 59.7177



27.4057, 16.9223, 29.3138

Sweetspot

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



12.7856, 16.9231, 2.5929



27.9485, 32.2545, 19.6965



8.2159, 4.5166, 0.4390



6.2964, 7.3338, 4.1687



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.



12.7856, 16.9231, 2.5929



22.4076, 29.7274, 4.5570



8.0307, 14.4719, 2.3703



4.2555, 4.6070, 4.2894



13.4551, 17.8136, 2.7292



63.6454, 84.6959, 12.9935

Inverse Universe

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



3.7445, 1.5247, 18.5103



6.5118, 2.6431, 32.5598



6.5957, 2.9945, 18.6437



3.8448, 3.9179, 4.9968



3.9371, 1.6024, 19.4871



18.3416, 7.4174, 92.9348

Previews

White Background



This preview shows how the XYZ color 12.7852, 16.9223, 2.5925 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 12.7852, 16.9223, 2.5925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

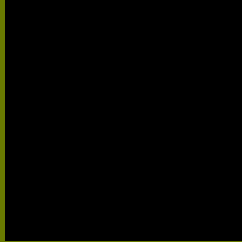
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7852, 16.9223, 2.5925

Background



This preview shows how black text looks on a background with the XYZ color 12.7852, 16.9223, 2.5925.



This preview shows how white text looks on a background with the XYZ color 12.7852, 16.9223,

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

12.7852, 16.9223, 2.5925

Protanopia

15.1840, 16.9286, 2.4673

Deuteranopia

16.9995, 16.7086, 3.0386



Tritanopia

16.3574, 16.7928, 20.7916

Trichromacy



Original Color

12.7852, 16.9223, 2.5925

Protanomaly

14.2242, 16.9499, 2.5220

Deuteranomaly

15.1837, 16.5851, 2.7818

Tritanomaly

14.1761, 16.4203, 9.6300

Monochromacy



Original Color

12.7852, 16.9223, 2.5925

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2682, 14.4883, 7.3042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7852, 16.9223, 2.5925 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, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 122, 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, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7852, 16.9223, 2.5925 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, 122, 0) }
```


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

```
.border{ border-color:rgb(105, 122, 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, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7852, 16.9223, 2.5925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 122, 0) }
```

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

```
.background{ background-color: rgb(105,  
122, 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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