

Converting Colors

XYZ(12.3774, 17.2580, 2.6788)

Have a look what the booklet for
XYZ(12.3774, 17.2580, 2.6788)
contains.

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Color

**XYZ(12.3706, 17.2639,
2.6803)**

Conversions

Conversions Part 1

Format	Color
Hex	627D00
RGB	98, 125, 0
RGB Percent	38%, 49%, 0%
CMY	0.6157, 0.5098, 1.0000
CMYK	0.22, 0.00, 1.00, 0.51
HSL	73°, 100%, 25%
HSV	73°, 100%, 49%
XYZ	12.3706, 17.2639, 2.6803
YIQ	102.6770, 24.0330, -44.5990

Conversions

Conversions Part 2

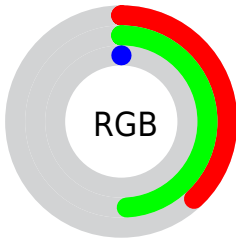
Format	Color
RYB	0, 125, 27
Decimal	6454528
CIELab	48.59, -25.02, 53.18
CIELCh	49, 58.775, 115.194
Yxy	17.2639, 0.3828, 0.5342
Android (android.graphics.Color)	4284644608 (0xFF627D00)
YUV	102.6770, -50.6198, -4.1017
Hunter-Lab	41.5498, -19.5676, 25.2602

Details

The XYZ color **12.3706, 17.2639, 2.6803** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.1543, 1.7141, 19.5150**, and the grayscale version is **12.9324, 13.6058, 14.8168**.

A 20% lighter version of the original color is **29.7947, 38.8864, 10.7860**, and **3.7112, 5.7497, 0.9142** is the 20% darker color. If you saturate the color by 10%, you get **12.3707, 17.2645, 2.6804**, and if you desaturate by 10%, it is **12.7368, 17.4452, 3.0604**.

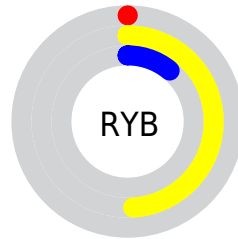
Distribution



Red (38%)

Green (49%)

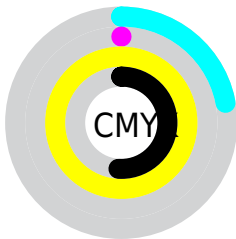
Blue (0%)



Red (0%)

Yellow (49%)

Blue (11%)

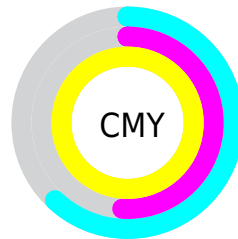


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (62%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3706, 17.2639, 2.6803 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 12.3706, 17.2639, 2.6803 by changing the saturation by 10% instead.

■ 12.3706, 17.2639,
2.6803

■ 12.3706, 17.2639,
2.6803

200.5638,
236.6886, 132.1784

■ 7.0706, 10.4228,
0.9335

■ 29.7793, 38.7790,
10.8288

■ 3.5530, 5.6802,
0.0000

■ 42.6188, 54.2217,
18.0679

■ 1.4525, 2.6516,
0.0000

■ 58.7021, 73.3005,
27.9750

■ 0.2932, 0.9527,
0.0000

■ 78.3946, 96.3997,
40.9685

■ 0.0000, 0.0000,
0.0000

■ 102.0616,
123.9037, 57.4671

■ 130.0686,

156.1970, 77.8893

■ 162.7809,
193.6638, 102.6535

■ 12.3706, 17.2639,
2.6803

■ 12.3706, 17.2639,
2.6803

■ 12.3707, 17.2645,
2.6804

■ 12.7368, 17.4452,
3.0604

■ 13.1492, 17.6456,
3.6332

■ 13.6319, 17.8752,
4.5243

■ 14.1923, 18.1370,
5.7716

■ 14.8365, 18.4336,
7.4074

■ 15.5702, 18.7672,
9.4604

■ 16.3984, 19.1398,
11.9568

■ 17.3257, 19.5532,
14.9206

■ 18.3565, 20.0092,
18.3738

Harmonies

Analogous

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



17.2949, 17.2639, 2.0028



12.3706, 17.2639, 2.6803



9.2695, 17.2639, 6.4130

Triad

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



12.3706, 17.2639, 2.6803



11.1631, 17.2639, 55.3554



29.0958, 17.2639, 21.4027

Complementary

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



12.3706, 17.2639, 2.6803



4.1543, 1.7141, 19.5150

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.



26.5064, 17.2639, 41.4175



12.3706, 17.2639, 2.6803



15.5535, 17.2639, 66.7877

Square

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



12.3706, 17.2639, 2.6803



8.6872, 17.2639, 34.5267



21.2422, 17.2639, 60.6378



27.7232, 17.2639, 8.7611

Rectangle

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



12.3706, 17.2639, 2.6803



8.2727, 17.2639, 12.1715



21.2422, 17.2639, 60.6378



28.6462, 17.2639, 27.4749

Sweetspot

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



12.3710, 17.2647, 2.6807



29.2494, 34.2215, 21.0551



8.8058, 5.0558, 0.5120



6.5336, 7.7305, 4.4231



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.3710, 17.2647, 2.6807



22.0261, 30.8502, 4.7938



8.1154, 15.0708, 2.4815



4.5773, 4.9740, 4.6390



12.9046, 18.0150, 2.7971



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.1543, 1.7141, 19.5150



7.3307, 3.0134, 34.9396



7.6798, 3.5316, 19.6800



4.1890, 4.2531, 5.4134



4.3300, 1.7859, 20.3664



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3706, 17.2639, 2.6803 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 12.3706, 17.2639, 2.6803 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 12.3706, 17.2639, 2.6803

Background



This preview shows how black text looks on a background with the XYZ color 12.3706, 17.2639, 2.6803.



This preview shows how white text looks on a background with the XYZ color 12.3706, 17.2639,

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

12.3706, 17.2639, 2.6803

Protanopia

15.4513, 17.2366, 2.5126

Deuteranopia

17.3003, 17.0189, 3.1838



Tritanopia

16.2537, 17.2227, 21.8697

Trichromacy



Original Color

12.3706, 17.2639, 2.6803

Protanomaly

14.0680, 17.0452, 2.5486

Deuteranomaly

15.1190, 16.8852, 2.9142

Tritanomaly

13.8705, 16.7761, 10.0965

Monochromacy



Original Color

12.3706, 17.2639, 2.6803

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0346, 14.5289, 7.3243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3706, 17.2639, 2.6803 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(98, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 125, 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(98, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3706, 17.2639, 2.6803 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(98, 125, 0) }
```


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

```
.border{ border-color:rgb(98, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(98, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 125, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3706, 17.2639, 2.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 125, 0) }
```

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

```
.background{ background-color: rgb(98, 125,  
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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