

Converting Colors

XYZ(10.2039, 16.7872, 2.3631)

Have a look what the booklet for
XYZ(10.2039, 16.7872, 2.3631)
contains.

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Color

**XYZ(10.2450, 16.7404,
2.6913)**

Conversions

Conversions Part 1

Format	Color
Hex	468000
RGB	70, 128, 0
RGB Percent	27%, 50%, 0%
CMY	0.7255, 0.4980, 1.0000
CMYK	0.45, 0.00, 1.00, 0.50
HSL	87°, 100%, 25%
HSV	87°, 100%, 50%
XYZ	10.2450, 16.7404, 2.6913
YIQ	96.0660, 6.5200, -52.1040

Conversions

Conversions Part 2

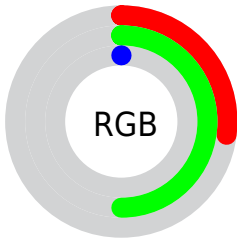
Format	Color
RYB	0, 128, 58
Decimal	4620288
CIELab	47.93, -37.61, 51.97
CIElCh	48, 64.150, 125.895
Yxy	16.7404, 0.3452, 0.5641
Android (android.graphics.Color)	4282810368 (0xFF468000)
YUV	96.0660, -47.3605, -22.8599
Hunter-Lab	40.9150, -26.9055, 24.7406

Details

The XYZ color **10.2450, 16.7404, 2.6913** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.6422, 2.4587, 20.6001**, and the grayscale version is **11.2453, 11.8309, 12.8838**.

A 20% lighter version of the original color is **25.7615, 37.7030, 10.7701**, and **2.8370, 5.5069, 0.9134** is the 20% darker color. If you saturate the color by 10%, you get **10.2450, 16.7409, 2.6914**, and if you desaturate by 10%, it is **10.7557, 16.9959, 3.0881**.

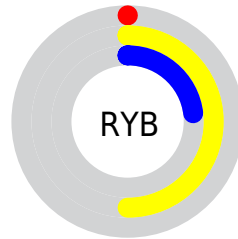
Distribution



Red (27%)

Green (50%)

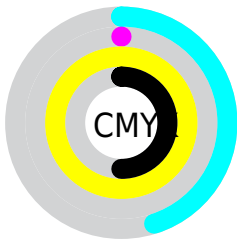
Blue (0%)



Red (0%)

Yellow (50%)

Blue (23%)

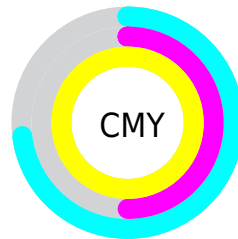


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (73%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2450, 16.7404, 2.6913 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 10.2450, 16.7404, 2.6913 by changing the saturation by 10% instead.

■ 10.2450, 16.7404,
2.6913

■ 10.2450, 16.7404,
2.6913

186.4292,
233.6719, 132.3262

■ 5.6252, 10.0496,
0.9390

■ 25.9008, 37.8789,
10.8567

■ 2.6570, 5.4318,
0.0000

■ 37.6676, 53.0953,
18.1071

■ 0.9751, 2.5028,
0.0000

■ 52.5474, 71.9225,
28.0275

■ 0.0000, 0.8780,
0.0000


■ 70.9055, 94.7447,
41.0362


■ 0.0000, 0.0000,
0.0000


■ 93.1074, 121.9463,
57.5519


■ 119.5184,


153.9118, 77.9931


 150.5039,
191.0255, 102.7784


 10.2450, 16.7404,
2.6913


 10.2450, 16.7404,
2.6913


 10.2450, 16.7409,
2.6914

 10.7557, 16.9959,
3.0881

 11.3468, 17.2879,
3.6935

 12.0442, 17.6273,
4.6363

 12.8565, 18.0176,
5.9566

 13.7912, 18.4621,
7.6889

■ 14.8552, 18.9636,
9.8638

■ 16.0544, 19.5245,
12.5089

■ 17.3948, 20.1474,
15.6498

■ 18.8816, 20.8343,
19.3101

Harmonies

Analogous

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



14.7971, 16.7404, 1.3610



10.2450, 16.7404, 2.6913



7.7709, 16.7404, 8.0747

Triad

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



10.2450, 16.7404, 2.6913



11.7908, 16.7404, 65.4407



29.7216, 16.7404, 15.1504

Complementary

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



10.2450, 16.7404, 2.6913



5.6422, 2.4587, 20.6001

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.



28.3623, 16.7404, 34.5588



10.2450, 16.7404, 2.6913



17.0800, 16.7404, 71.7451

Square

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



10.2450, 16.7404, 2.6913



8.5003, 16.7404, 43.9766



23.3559, 16.7404, 58.0725



26.7174, 16.7404, 5.2114

Rectangle

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



10.2450, 16.7404, 2.6913



7.2021, 16.7404, 16.0429



23.3559, 16.7404, 58.0725



29.7675, 16.7404, 20.6018

Sweetspot

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



10.2454, 16.7411, 2.6917



28.1098, 34.3021, 21.6700



10.3958, 7.5760, 0.9147



6.4008, 7.9468, 4.6688



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.2454, 16.7411, 2.6917



17.8696, 29.3874, 4.7305



7.7998, 15.4804, 2.5772



4.4832, 4.9255, 4.6346



10.1598, 16.6000, 2.6686



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.6422, 2.4587, 20.6001



9.7705, 4.2444, 36.2606



11.8665, 5.6674, 20.8914



4.2795, 4.2997, 5.4176



5.5955, 2.4383, 20.4257



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2450, 16.7404, 2.6913 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 10.2450, 16.7404, 2.6913 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 10.2450, 16.7404, 2.6913

Background



This preview shows how black text looks on a background with the XYZ color 10.2450, 16.7404, 2.6913.



This preview shows how white text looks on a background with the XYZ color 10.2450, 16.7404,

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

10.2450, 16.7404, 2.6913

Protanopia

14.9194, 16.6238, 2.4224

Deuteranopia

16.8767, 16.6393, 3.2995



Tritanopia

14.3970, 16.7571, 23.2445

Trichromacy



Original Color

10.2450, 16.7404, 2.6913

Protanomaly

12.6602, 16.3195, 2.4827

Deuteranomaly

13.4344, 16.0149, 2.9134

Tritanomaly

11.7908, 16.2337, 10.4946

Monochromacy



Original Color

10.2450, 16.7404, 2.6913

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.1353, 13.0883, 6.4070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2450, 16.7404, 2.6913 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(70, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 128, 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(70, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.2450, 16.7404, 2.6913 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(70, 128, 0) }
```


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

```
.border{ border-color:rgb(70, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(70, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2450, 16.7404, 2.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 128, 0) }
```

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

```
.background{ background-color: rgb(70, 128,  
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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