

Converting Colors

XYZ(9.9236, 16.5508, 0.7881)

Have a look what the booklet for
XYZ(9.9236, 16.5508, 0.7881)
contains.

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Color

**XYZ(10.3177, 16.7779,
2.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	478000
RGB	71, 128, 0
RGB Percent	28%, 50%, 0%
CMY	0.7216, 0.4980, 1.0000
CMYK	0.45, 0.00, 1.00, 0.50
HSL	87°, 100%, 25%
HSV	87°, 100%, 50%
XYZ	10.3177, 16.7779, 2.6947
YIQ	96.3650, 7.1160, -51.8920

Conversions

Conversions Part 2

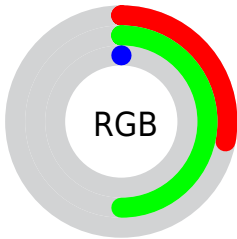
Format	Color
RYB	0, 128, 57
Decimal	4685824
CIELab	47.98, -37.26, 52.02
CIELCh	48, 63.988, 125.606
Yxy	16.7779, 0.3463, 0.5632
Android (android.graphics.Color)	4282875904 (0xFF478000)
YUV	96.3650, -47.5079, -22.2451
Hunter-Lab	40.9608, -26.7188, 24.7721

Details

The XYZ color **10.3177, 16.7779, 2.6947** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.5846, 2.4290, 20.5975**, and the grayscale version is **11.3186, 11.9080, 12.9679**.

A 20% lighter version of the original color is **25.9067, 37.7779, 10.7769**, and **2.8624, 5.5199, 0.9146** is the 20% darker color. If you saturate the color by 10%, you get **10.3177, 16.7784, 2.6948**, and if you desaturate by 10%, it is **10.8274, 17.0329, 3.0914**.

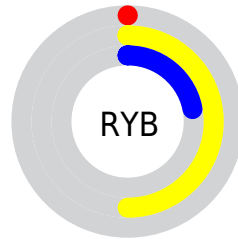
Distribution



Red (28%)

Green (50%)

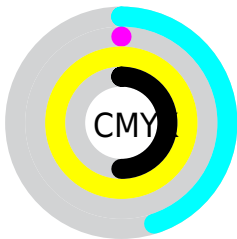
Blue (0%)



Red (0%)

Yellow (50%)

Blue (22%)

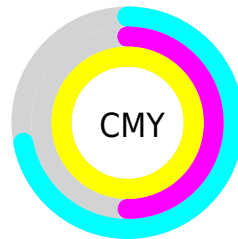


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (72%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3177, 16.7779, 2.6947 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 10.3177, 16.7779, 2.6947 by changing the saturation by 10% instead.

■ 10.3177, 16.7779,
2.6947

■ 10.3177, 16.7779,
2.6947

186.9314,
233.8892, 132.3718

■ 5.6740, 10.0763,
0.9408

■ 26.0357, 37.9435,
10.8653

■ 2.6866, 5.4496,
0.0000

■ 37.8406, 53.1763,
18.1193

■ 0.9903, 2.5134,
0.0000

■ 52.7634, 72.0216,
28.0437

■ 0.0000, 0.8833,
0.0000


■ 71.1692, 94.8637,
41.0571


■ 0.0000, 0.0000,
0.0000


■ 93.4236, 122.0872,
57.5781


■ 119.8919,


154.0763, 78.0252


 150.9394,
191.2155, 102.8169


 10.3177, 16.7779,
2.6947


 10.3177, 16.7779,
2.6947


 10.3177, 16.7784,
2.6948

 10.8274, 17.0329,
3.0914

 11.4163, 17.3238,
3.6967

 12.1102, 17.6613,
4.6394

 12.9176, 18.0492,
5.9594

 13.8460, 18.4904,
7.6914

■ 14.9021, 18.9878,
9.8659

■ 16.0921, 19.5439,
12.5107

■ 17.4215, 20.1612,
15.6511

■ 18.8957, 20.8417,
19.3107

Harmonies

Analogous

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



14.8868, 16.7779, 1.3796



10.3177, 16.7779, 2.6947



7.8231, 16.7779, 8.0327

Triad

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



10.3177, 16.7779, 2.6947



11.7876, 16.7779, 65.2117



29.7420, 16.7779, 15.3351

Complementary

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



10.3177, 16.7779, 2.6947



5.5846, 2.4290, 20.5975

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.



28.3435, 16.7779, 34.7951



10.3177, 16.7779, 2.6947



17.0561, 16.7779, 71.6886

Square

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



10.3177, 16.7779, 2.6947



8.5172, 16.7779, 43.7328



23.3223, 16.7779, 58.2229



26.7818, 16.7779, 5.3063

Rectangle

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



10.3177, 16.7779, 2.6947



7.2420, 16.7779, 15.9395



23.3223, 16.7779, 58.2229



29.7731, 16.7779, 20.8136

Sweetspot

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



10.3181, 16.7786, 2.6951



28.1773, 34.3369, 21.6732



10.2913, 7.3670, 0.8798



6.4180, 7.9557, 4.6697



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.



10.3181, 16.7786, 2.6951



17.9976, 29.4534, 4.7365



7.8265, 15.4942, 2.5785



4.4862, 4.9271, 4.6347



10.2319, 16.6371, 2.6720



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.5846, 2.4290, 20.5975



9.6701, 4.1927, 36.2559



11.5689, 5.5141, 20.8775



4.2765, 4.2981, 5.4175



5.5385, 2.4089, 20.4230



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.3177, 16.7779, 2.6947 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 10.3177, 16.7779, 2.6947 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 10.3177, 16.7779, 2.6947

Background



This preview shows how black text looks on a background with the XYZ color 10.3177, 16.7779, 2.6947.



This preview shows how white text looks on a background with the XYZ color 10.3177, 16.7779,

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

10.3177, 16.7779, 2.6947

Protanopia

14.9194, 16.6238, 2.4224

Deuteranopia

16.8767, 16.6393, 3.2995



Tritanopia

14.4898, 16.8049, 23.2489

Trichromacy



Original Color

10.3177, 16.7779, 2.6947

Protanomaly

12.6602, 16.3195, 2.4827

Deuteranomaly

13.5680, 16.0838, 2.9197

Tritanomaly

11.8759, 16.2776, 10.4986

Monochromacy



Original Color

10.3177, 16.7779, 2.6947

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 10.3177, 16.7779, 2.6947 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(71, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.3177, 16.7779, 2.6947 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(71, 128, 0) }
```


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

```
.border{ border-color:rgb(71, 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(71, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.3177, 16.7779, 2.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 128, 0) }
```

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

```
.background{ background-color: rgb(71, 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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