

Converting Colors

XYZ(10.7440, 16.7945, 2.9482)

Have a look what the booklet for
XYZ(10.7440, 16.7945, 2.9482)
contains.

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Color

**XYZ(10.7860, 16.8204,
2.9653)**

Conversions

Conversions Part 1

Format	Color
Hex	4E7F0A
RGB	78, 127, 10
RGB Percent	31%, 50%, 4%
CMY	0.6941, 0.5019, 0.9608
CMYK	0.39, 0.00, 0.92, 0.50
HSL	85°, 85%, 27%
HSV	85°, 92%, 50%
XYZ	10.7860, 16.8204, 2.9653
YIQ	99.0110, 8.3530, -46.7750

Conversions

Conversions Part 2

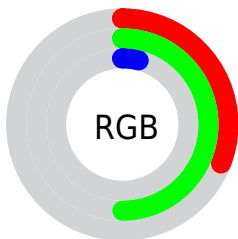
Format	Color
RYB	10, 127, 59
Decimal	5144330
CIELab	48.03, -33.93, 50.23
CIElCh	48, 60.616, 124.041
Yxy	16.8204, 0.3528, 0.5502
Android (android.graphics.Color)	4283334410 (0xFF4E7F0A)
YUV	99.0110, -43.8824, -18.4266
Hunter-Lab	41.0127, -24.8282, 24.4221

Details

The XYZ color **10.7860, 16.8204, 2.9653** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.7439, 2.6798, 20.2943**, and the grayscale version is **11.9687, 12.5920, 13.7127**.

A 20% lighter version of the original color is **26.9112, 37.9777, 11.5423**, and **3.0306, 5.5019, 0.9023** is the 20% darker color. If you saturate the color by 10%, you get **10.3990, 16.6278, 2.6614**, and if you desaturate by 10%, it is **11.3370, 17.0938, 3.4972**.

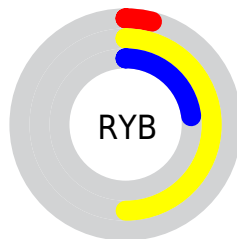
Distribution



Red (31%)

Green (50%)

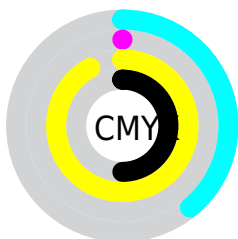
Blue (4%)



Red (4%)

Yellow (50%)

Blue (23%)

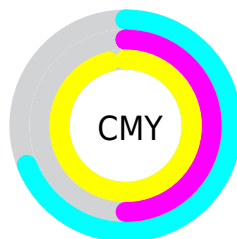


Cyan (39%)

Magenta (0%)

Yellow (92%)

Black (50%)



Cyan (69%)

Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7860, 16.8204, 2.9653 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 10.7860, 16.8204, 2.9653 by changing the saturation by 10% instead.

■ 10.7860, 16.8204,
2.9653

■ 10.7860, 16.8204,
2.9653

190.1322,
234.1353, 135.9174

■ 5.9894, 10.1065,
1.0769

■ 26.9002, 38.0167,
11.5427

■ 2.8792, 5.4696,
0.0000

■ 38.9485, 53.2680,
19.0688

■ 1.0902, 2.5254,
0.0000

■ 54.1448, 72.1338,
29.3113

■ 0.0169, 0.8893,
0.0000


■ 72.8543, 94.9985,
42.6886


■ 0.0000, 0.0000,
0.0000


■ 95.4424, 122.2467,
59.6193


■ 122.2745,


154.2626, 80.5220


 153.7160,
191.4307, 105.8152


 10.7860, 16.8204,
2.9653


 10.7860, 16.8204,
2.9653

 10.3990, 16.6278,
2.6614

 11.3370, 17.0938,
3.4972

 11.9844, 17.4093,
4.3507

 12.7372, 17.7713,
5.5669

 13.6028, 18.1827,
7.1805

 14.5877, 18.6463,
9.2223

■ 15.6979, 19.1644,
11.7200

■ 16.9389, 19.7395,
14.6990

■ 18.3157, 20.3736,
18.1827

■ 19.8333, 21.0688,
22.1930

Harmonies

Analogous

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



15.2564, 16.8204, 1.6948



10.7860, 16.8204, 2.9653



8.2636, 16.8204, 8.0290

Triad

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



10.7860, 16.8204, 2.9653



11.8056, 16.8204, 61.0310



28.9645, 16.8204, 16.2698

Complementary

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



10.7860, 16.8204, 2.9653



5.7439, 2.6798, 20.2943

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.



27.4512, 16.8204, 34.9473



10.7860, 16.8204, 2.9653



16.7412, 16.8204, 67.8964

Square

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



10.7860, 16.8204, 2.9653



8.7510, 16.8204, 40.9238



22.6384, 16.8204, 56.4098



26.4005, 16.8204, 6.0860

Rectangle

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



10.7860, 16.8204, 2.9653



7.6326, 16.8204, 15.3579



22.6384, 16.8204, 56.4098



28.9189, 16.8204, 21.6282

Sweetspot

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



10.7864, 16.8211, 2.9657



28.8505, 34.6613, 22.7297



10.3591, 7.6370, 1.2155



6.5695, 8.0291, 4.8861



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.



10.7864, 16.8211, 2.9657



18.4489, 29.6861, 4.7576



7.9282, 15.3477, 2.8319



4.4966, 4.9325, 4.6352



10.4855, 16.7679, 2.6839



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.7439, 2.6798, 20.2943



9.3445, 4.0248, 36.2406



11.3098, 5.5491, 20.5547



4.2663, 4.2929, 5.4170



5.3530, 2.3133, 20.4143



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7860, 16.8204, 2.9653 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 10.7860, 16.8204, 2.9653 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 10.7860, 16.8204, 2.9653

Background



This preview shows how black text looks on a background with the XYZ color 10.7860, 16.8204, 2.9653.



This preview shows how white text looks on a background with the XYZ color 10.7860, 16.8204,

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

10.7860, 16.8204, 2.9653

Protanopia

14.9194, 16.6238, 2.4224

Deuteranopia

16.8767, 16.6393, 3.2995



Tritanopia

14.7883, 16.7907, 22.8836

Trichromacy



Original Color

10.7860, 16.8204, 2.9653

Protanomaly

13.0491, 16.5174, 2.6153

Deuteranomaly

13.8647, 16.2339, 3.0645

Tritanomaly

12.4075, 16.3569, 11.0976

Monochromacy



Original Color

10.7860, 16.8204, 2.9653

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.7961, 13.5667, 7.3598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7860, 16.8204, 2.9653 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(78, 127, 10)` looks like.

```
.text, #text, p{  
    color:rgb(78, 127, 10)  
}
```

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(78, 127, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 127, 10) }
```

Border

The CSS property to change the border of an element to XYZ 10.7860, 16.8204, 2.9653 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(78, 127, 10) }
```


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

```
.border{ border-color:rgb(78, 127, 10) }
```

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

Here you see how a box with a 4 pixel rgb(78, 127, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 127, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 127, 10);  
box-shadow:4px 4px 4px 4px rgb(78, 127,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7860, 16.8204, 2.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 127, 10) }
```

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

```
.background{ background-color: rgb(78, 127,  
10) }
```

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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