

Converting Colors

XYZ(10.9003, 16.6321, 4.5747)

Have a look what the booklet for
XYZ(10.9003, 16.6321, 4.5747)
contains.

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Color

**XYZ(10.8876, 16.6460,
4.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7E27
RGB	77, 126, 39
RGB Percent	30%, 49%, 15%
CMY	0.6980, 0.5059, 0.8470
CMYK	0.39, 0.00, 0.69, 0.51
HSL	94°, 53%, 32%
HSV	94°, 69%, 49%
XYZ	10.8876, 16.6460, 4.5586
YIQ	101.4310, -1.2770, -37.4450

Conversions

Conversions Part 2

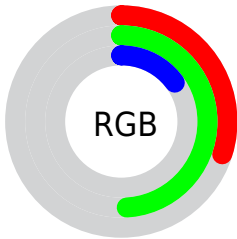
Format	Color
R_{YB}	39, 126, 88
Decimal	5078567
CIE _{Lab}	47.81, -32.22, 40.57
CIE _{LCh}	48, 51.808, 128.453
Yxy	16.6460, 0.3393, 0.5187
Android (android.graphics.Color)	4283268647 (0xFF4D7E27)
YUV	101.4310, -30.7785, -21.4260
Hunter-Lab	40.7995, -23.7653, 21.9351

Details

The XYZ color **10.8876, 16.6460, 4.5586** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.5168, 5.0327, 20.2622**, and the grayscale version is **12.5592, 13.2132, 14.3892**.

A 20% lighter version of the original color is **27.1292, 37.7073, 15.2996**, and **2.9611, 5.3631, 0.8791** is the 20% darker color. If you saturate the color by 10%, you get **10.1709, 16.2973, 3.6107**, and if you desaturate by 10%, it is **11.7370, 17.0561, 5.8757**.

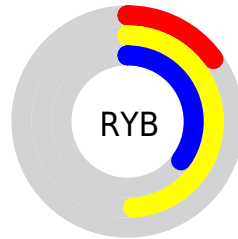
Distribution



Red (30%)

Green (49%)

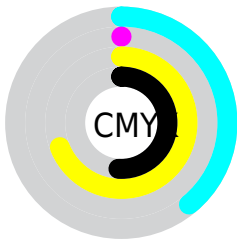
Blue (15%)



Red (15%)

Yellow (49%)

Blue (35%)

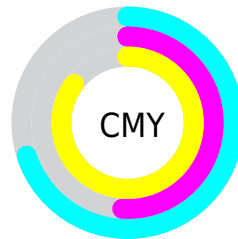


Cyan (39%)

Magenta (0%)

Yellow (69%)

Black (51%)



Cyan (70%)


Magenta (51%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8876, 16.6460, 4.5586 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 10.8876, 16.6460, 4.5586 by changing the saturation by 10% instead.


 10.8876, 16.6460,
4.5586


 10.8876, 16.6460,
4.5586


190.8190,
233.1240, 154.2454


 6.0580, 9.9824,
1.9365


 27.0869, 37.7161,
15.2788


 2.9214, 5.3873,
0.5158

 39.1874, 52.8914,
24.2141


 1.1123, 2.4763,
0.0000

 54.4422, 71.6728,
36.0908

 0.0354, 0.8647,
0.0000

 73.2168, 94.4446,
51.3275

 0.0000, 0.0000,
0.0000

 95.8764, 121.5912,
70.3428

 122.7864,

153.4971, 93.5552

154.3121,
190.5466, 121.3832

■ 10.8876, 16.6460,
4.5586

■ 10.8876, 16.6460,
4.5586

■ 10.1709, 16.2973,
3.6107

■ 11.7370, 17.0561,
5.8757

■ 9.5766, 16.0040,
2.9928

■ 12.7259, 17.5290,
7.5936

■ 9.0824, 15.7575,
2.5973

■ 13.8623, 18.0684,
9.7418

■ 9.0385, 15.7356,
2.5609

■ 15.1528, 18.6774,
12.3468

■ 16.6037, 19.3585,
15.4329

■ 18.2210, 20.1145,
19.0227

■ 20.0101, 20.9476,
23.1373

■ 21.9765, 21.8602,
27.7968

■ 24.1251, 22.8545,
33.0199

Harmonies

Analogous

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



14.5434, 16.6460, 2.7633



10.8876, 16.6460, 4.5586



8.8777, 16.6460, 10.2535

Triad

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



10.8876, 16.6460, 4.5586



12.7599, 16.6460, 53.8935



26.4147, 16.6460, 14.6155

Complementary

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



10.8876, 16.6460, 4.5586



8.5168, 5.0327, 20.2622

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.



25.6790, 16.6460, 29.2486



10.8876, 16.6460, 4.5586



17.1724, 16.6460, 57.0793

Square

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



10.8876, 16.6460, 4.5586



9.8021, 16.6460, 39.1652



22.0579, 16.6460, 46.4796



23.9065, 16.6460, 6.4096

Rectangle

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



10.8876, 16.6460, 4.5586



8.4616, 16.6460, 17.4420



22.0579, 16.6460, 46.4796



26.5470, 16.6460, 18.8249

Sweetspot

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



10.8880, 16.6467, 4.5590



28.5738, 33.7685, 25.7558



12.3672, 11.3749, 3.4634



6.3686, 7.6197, 5.5783



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.



10.8880, 16.6467, 4.5590



17.2607, 28.3697, 5.6488



8.7406, 15.5309, 4.8566



4.4404, 4.9034, 4.6326



9.2674, 16.1399, 2.6269



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.5168, 5.0327, 20.2622



12.7517, 6.4154, 35.3106



12.8216, 7.2836, 19.0299



4.3224, 4.3218, 5.4196



6.5222, 2.9160, 20.4690



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.8876, 16.6460, 4.5586 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 10.8876, 16.6460, 4.5586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

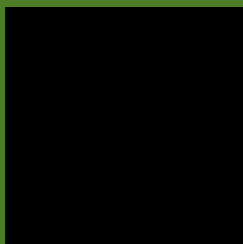
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8876, 16.6460, 4.5586

Background



This preview shows how black text looks on a background with the XYZ color 10.8876, 16.6460, 4.5586.



This preview shows how white text looks on a background with the XYZ color 10.8876, 16.6460,

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

10.8876, 16.6460, 4.5586

Protanopia

14.9760, 16.4497, 4.0548

Deuteranopia

16.7159, 16.3676, 4.7609



Tritanopia

14.5256, 16.6628, 22.5293

Trichromacy



Original Color

10.8876, 16.6460, 4.5586

Protanomaly

13.1190, 16.3416, 4.2131

Deuteranomaly

13.9246, 16.0606, 4.6516

Tritanomaly

12.6492, 16.4323, 13.3315

Monochromacy



Original Color

10.8876, 16.6460, 4.5586

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.3647, 13.9772, 9.3066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8876, 16.6460, 4.5586 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(77, 126, 39)` looks like.

```
.text, #text, p{  
    color:rgb(77, 126, 39)  
}
```

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(77, 126, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 126, 39) }
```

Border

The CSS property to change the border of an element to XYZ 10.8876, 16.6460, 4.5586 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(77, 126, 39) }
```


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

```
.border{ border-color:rgb(77, 126, 39) }
```

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

Here you see how a box with a 4 pixel rgb(77, 126, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 126, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 126, 39);  
box-shadow:4px 4px 4px 4px rgb(77, 126,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8876, 16.6460, 4.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 126, 39) }
```

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

```
.background{ background-color: rgb(77, 126,  
39) }
```

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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