

Converting Colors

XYZ(11.6209, 13.9316, 4.5371)

Have a look what the booklet for
XYZ(11.6209, 13.9316, 4.5371)
contains.

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Color

**XYZ(11.5451, 13.8576,
4.5489)**

Conversions

Conversions Part 1

Format	Color
Hex	686C2D
RGB	104, 108, 45
RGB Percent	41%, 42%, 18%
CMY	0.5922, 0.5765, 0.8235
CMYK	0.04, 0.00, 0.58, 0.58
HSL	64°, 41%, 30%
HSV	64°, 58%, 42%
XYZ	11.5451, 13.8576, 4.5489
YIQ	99.6220, 17.8390, -20.4410

Conversions

Conversions Part 2

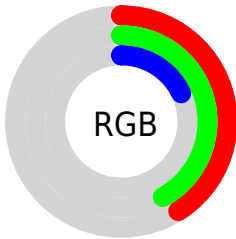
Format	Color
R_{YB}	45, 108, 49
Decimal	6843437
CIE _{Lab}	44.03, -11.12, 34.10
CIE _{LCh}	44, 35.866, 108.060
Yxy	13.8576, 0.3855, 0.4627
Android (android.graphics.Color)	4285033517 (0xFF686C2D)
YUV	99.6220, -26.9286, 3.8395
Hunter-Lab	37.2258, -9.7857, 18.8130

Details

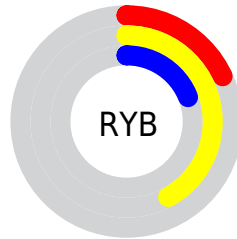
The XYZ color **11.5451, 13.8576, 4.5489** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.9122, 3.6128, 14.6266**, and the grayscale version is **12.0803, 12.7094, 13.8405**.

A 20% lighter version of the original color is **28.2785, 32.7547, 15.1878**, and **3.2443, 4.1497, 0.6300** is the 20% darker color. If you saturate the color by 10%, you get **11.2840, 13.7445, 3.5869**, and if you desaturate by 10%, it is **11.8607, 13.9936, 5.7919**.

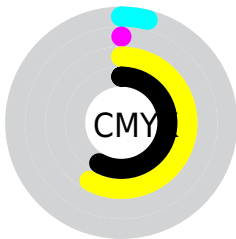
Distribution



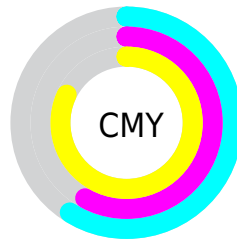
- Red (41%)
- Green (42%)
- Blue (18%)



- Red (18%)
- Yellow (42%)
- Blue (19%)



- Cyan (4%)
- Magenta (0%)
- Yellow (58%)
- Black (58%)



- Cyan (59%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5451, 13.8576, 4.5489 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 11.5451, 13.8576, 4.5489 by changing the saturation by 10% instead.

■ 11.5451, 13.8576,
4.5489

■ 11.5451, 13.8576,
4.5489

195.2021,
216.3431, 154.1439

■ 6.5047, 8.0217,
1.9310

■ 28.2879, 32.8361,
15.2571

■ 3.1979, 4.1088,
0.5124

■ 40.7211, 46.7476,
24.1846

■ 1.2593, 1.7346,
0.0000

■ 56.3493, 64.1196,
36.0523

■ 0.1524, 0.4459,
0.0000

■ 75.5377, 85.3367,
51.2788

■ 0.0000, 0.0000,
0.0000

■ 98.6519, 110.7832,
70.2827

■ 126.0571,

140.8435, 93.4825

158.1187,
175.9020, 121.2967

■ 11.5451, 13.8576,
4.5489

■ 11.5451, 13.8576,
4.5489

■ 11.2840, 13.7445,
3.5869

■ 11.8607, 13.9936,
5.7919

■ 11.0724, 13.6508,
2.8831

■ 12.2336, 14.1521,
7.3347

■ 10.9057, 13.5751,
2.4129

■ 12.6675, 14.3350,
9.1952

■ 10.7681, 13.5111,
2.0921

■ 13.1655, 14.5437,
11.3899

■ 10.7454, 13.5005,
2.0395

■ 13.7305, 14.7792,
13.9342

■ 14.3653, 15.0427,
16.8422

■ 15.0723, 15.3353,
20.1276

■ 15.8541, 15.6578,
23.8032

■ 16.7130, 16.0112,
27.8812

Harmonies

Analogous

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



14.3372, 13.8576, 4.3568



11.5451, 13.8576, 4.5489



9.5026, 13.8576, 6.8453

Triad

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



11.5451, 13.8576, 4.5489



9.8392, 13.8576, 30.0232



19.2896, 13.8576, 18.5720

Complementary

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



11.5451, 13.8576, 4.5489



4.9122, 3.6128, 14.6266

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.



17.6800, 13.8576, 28.1882



11.5451, 13.8576, 4.5489



12.0703, 13.8576, 36.2271

Square

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



11.5451, 13.8576, 4.5489



8.6200, 13.8576, 20.4929



14.9433, 13.8576, 35.4554



19.0951, 13.8576, 10.7292

Rectangle

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



11.5451, 13.8576, 4.5489



8.7159, 13.8576, 9.9538



14.9433, 13.8576, 35.4554



18.9331, 13.8576, 21.7411

Sweetspot

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



11.5454, 13.8582, 4.5492



23.1941, 25.5660, 20.3598



7.7215, 5.5041, 3.1382



5.5818, 6.1746, 4.7842



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.5454, 13.8582, 4.5492



19.6673, 24.0663, 5.8062



8.6110, 12.3455, 4.4119



3.3151, 3.5742, 3.3326



12.8076, 16.0978, 2.4321



64.9833, 81.8822, 12.3799

Inverse Universe

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



4.9122, 3.6128, 14.6266



6.8165, 4.1981, 25.3588



6.9244, 4.6500, 14.7207



2.9646, 3.0335, 3.8641



3.3219, 1.3395, 17.0057



16.6571, 6.6866, 86.6389

Previews

White Background



This preview shows how the XYZ color 11.5451, 13.8576, 4.5489 looks on a white background.

Color Contrast Check

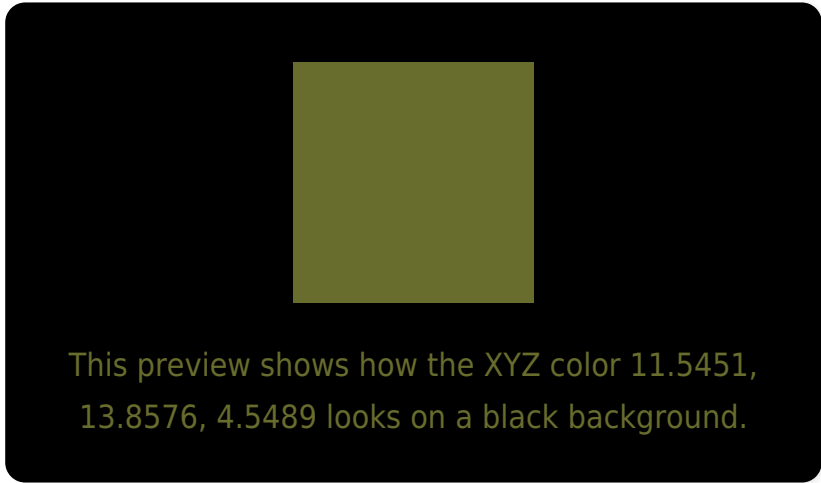
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.5451, 13.8576, 4.5489

Background



This preview shows how black text looks on a background with the XYZ color 11.5451, 13.8576, 4.5489.



This preview shows how white text looks on a background with the XYZ color 11.5451, 13.8576,

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

11.5451, 13.8576, 4.5489

Protanopia

12.6074, 13.7955, 4.3812

Deuteranopia

14.0486, 13.8042, 4.7203



Tritanopia

13.9695, 13.7910, 16.3937

Trichromacy



Original Color

11.5451, 13.8576, 4.5489

Protanomaly

12.1883, 13.7297, 4.3906

Deuteranomaly

13.0102, 13.7010, 4.6482

Tritanomaly

12.8144, 13.7607, 10.7848

Monochromacy



Original Color

11.5451, 13.8576, 4.5489

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.6650, 13.0464, 9.4928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5451, 13.8576, 4.5489 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(104, 108, 45)` looks like.

```
.text, #text, p{  
    color:rgb(104, 108, 45)  
}
```

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(104, 108, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 108, 45) }
```

Border

The CSS property to change the border of an element to XYZ 11.5451, 13.8576, 4.5489 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(104, 108, 45) }
```


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

```
.border{ border-color:rgb(104, 108, 45) }
```

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

Here you see how a box with a 4 pixel rgb(104, 108, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 108, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 108, 45);  
box-shadow:4px 4px 4px 4px rgb(104, 108,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5451, 13.8576, 4.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 108, 45) }
```

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

```
.background{ background-color: rgb(104,  
108, 45) }
```

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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