

Converting Colors

XYZ(12.9461, 15.6197, 11.7169)

Have a look what the booklet for
XYZ(12.9461, 15.6197, 11.7169)
contains.

XYZ(12.9709, 15.5794, 11.7747)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9709, 15.5794,
11.7747)**

Conversions

Conversions Part 1

Format	Color
Hex	627359
RGB	98, 115, 89
RGB Percent	38%, 45%, 35%
CMY	0.6157, 0.5490, 0.6510
CMYK	0.15, 0.00, 0.23, 0.55
HSL	99°, 13%, 40%
HSV	99°, 23%, 45%
XYZ	12.9709, 15.5794, 11.7747
YIQ	106.9530, -1.7860, -11.6900

Conversions

Conversions Part 2

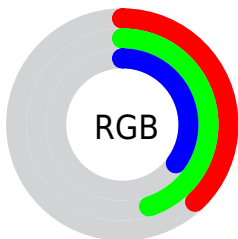
Format	Color
R_{YB}	89, 115, 106
Decimal	6452057
CIE _{Lab}	46.42, -11.62, 12.33
CIE _{LCh}	46, 16.943, 133.297
Yxy	15.5794, 0.3217, 0.3863
Android (android.graphics.Color)	4284642137 (0xFF627359)
YUV	106.9530, -8.8508, -7.8518
Hunter-Lab	39.4707, -10.4150, 9.9425

Details

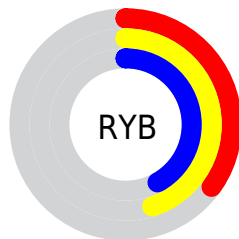
The XYZ color **12.9709, 15.5794, 11.7747** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.6114, 11.4472, 17.7653**, and the grayscale version is **13.9865, 14.7149, 16.0246**.

A 20% lighter version of the original color is **30.8733, 35.8911, 29.7266**, and **3.8084, 4.8925, 3.0291** is the 20% darker color. If you saturate the color by 10%, you get **11.7517, 15.0028, 9.3907**, and if you desaturate by 10%, it is **14.3427, 16.2268, 14.5604**.

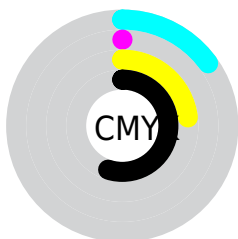
Distribution



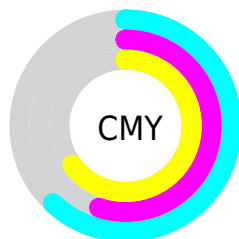
- Red (38%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (42%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9709, 15.5794, 11.7747 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 12.9709, 15.5794, 11.7747 by changing the saturation by 10% instead.

■ 12.9709, 15.5794,
11.7747

■ 12.9709, 15.5794,
11.7747

204.3725,
226.8469, 213.8327

■ 7.4854, 9.2270,
6.4698

■ 30.8533, 35.8665,
29.7423

■ 3.8165, 4.8896,
3.0594

■ 43.9808, 50.5699,
43.2421

■ 1.5988, 2.1826,
1.1251

■ 60.3864, 68.8259,
60.3106

■ 0.3917, 0.7105,
0.0000

■ 80.4354, 91.0188,
81.3664

■ 0.0000, 0.0000,
0.0000

■ 104.4931,
117.5329, 106.8279

132.9250,

148.7527, 137.1138

166.0963,
185.0626, 172.6425

■ 12.9709, 15.5794,
11.7747

■ 12.9709, 15.5794,
11.7747

■ 11.7517, 15.0028,
9.3907

■ 14.3427, 16.2268,
14.5604

■ 10.6782, 14.4926,
7.3889

■ 15.8710, 16.9454,
17.7640

■ 9.7449, 14.0468,
5.7497

■ 17.5614, 17.7380,
21.4023

■ 8.9454, 13.6626,
4.4512

■ 19.4186, 18.6069,
25.4905

■ 8.2728, 13.3369,
3.4694

■ 21.4471, 19.5539,
30.0434

■ 7.7192, 13.0662,
2.7770

■ 23.6514, 20.5812,
35.0750

■ 7.2757, 12.8468,
2.3403

■ 26.0356, 21.6905,
40.5987

■ 6.9985, 12.7093,
2.0843

■ 28.6040, 22.8838,
46.6273

■ 31.3603, 24.1627,
53.1732

Harmonies

Analogous

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



14.1736, 15.5794, 10.2997



12.9709, 15.5794, 11.7747



12.2866, 15.5794, 14.7632

Triad

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



12.9709, 15.5794, 11.7747



14.0181, 15.5794, 25.8527



17.7006, 15.5794, 15.1865

Complementary

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



12.9709, 15.5794, 11.7747



12.6114, 11.4472, 17.7653

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.



17.6522, 15.5794, 19.3719



12.9709, 15.5794, 11.7747



15.4605, 15.5794, 26.0163

Square

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



12.9709, 15.5794, 11.7747



12.8635, 15.5794, 23.0724



16.8103, 15.5794, 23.4883



16.9386, 15.5794, 12.0407

Rectangle

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



12.9709, 15.5794, 11.7747



12.1867, 15.5794, 17.4282



16.8103, 15.5794, 23.4883



17.7800, 15.5794, 16.5067

Sweetspot

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



12.9713, 15.5801, 11.7750



27.1314, 29.7377, 29.0894



14.0178, 14.6542, 11.5412



6.4463, 7.0820, 6.8846



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.9713, 15.5801, 11.7750



22.0794, 27.3554, 18.8193



12.2224, 15.1746, 12.6178



3.7491, 4.1541, 3.9465



7.9785, 14.5174, 2.3816



38.0377, 70.3109, 11.5666

Inverse Universe

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



12.6114, 11.4472, 17.7653



21.3157, 18.5984, 31.5109



13.5180, 11.9399, 16.6607



3.7095, 3.6975, 4.6084



6.8491, 3.1222, 18.7842



32.4277, 14.7256, 91.4935

Previews

White Background



This preview shows how the XYZ color 12.9709, 15.5794, 11.7747 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 12.9709, 15.5794, 11.7747 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

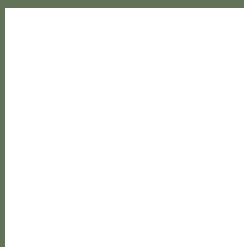
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9709, 15.5794, 11.7747

Background



This preview shows how black text looks on a background with the XYZ color 12.9709, 15.5794, 11.7747.



This preview shows how white text looks on a background with the XYZ color 12.9709, 15.5794,

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

12.9709, 15.5794, 11.7747

Protanopia

14.5918, 15.6057, 11.0472

Deuteranopia

15.7948, 15.5754, 12.0714



Tritanopia

14.6681, 15.6085, 20.0089

Trichromacy



Original Color

12.9709, 15.5794, 11.7747

Protanomaly

13.9449, 15.5915, 11.2913

Deuteranomaly

14.5166, 15.3885, 11.8780

Tritanomaly

13.9213, 15.4592, 16.7182

Monochromacy



Original Color

12.9709, 15.5794, 11.7747

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5851, 15.0150, 14.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9709, 15.5794, 11.7747 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(98, 115, 89) looks like.

```
.text, #text, p{  
    color:rgb(98, 115, 89)  
}
```

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(98, 115, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 115, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.9709, 15.5794, 11.7747 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(98, 115, 89) }
```


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

```
.border{ border-color:rgb(98, 115, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 115, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 115, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 115, 89);  
box-shadow:4px 4px 4px 4px rgb(98, 115,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9709, 15.5794, 11.7747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 115, 89) }
```

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

```
.background{ background-color: rgb(98, 115,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor