

Converting Colors

XYZ(13.1788, 15.6043, 11.8732)

Have a look what the booklet for
XYZ(13.1788, 15.6043, 11.8732)
contains.

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Color

**XYZ(13.1894, 15.6921,
11.7849)**

Conversions

Conversions Part 1

Format	Color
Hex	647359
RGB	100, 115, 89
RGB Percent	39%, 45%, 35%
CMY	0.6078, 0.5490, 0.6510
CMYK	0.13, 0.00, 0.23, 0.55
HSL	95°, 13%, 40%
HSV	95°, 23%, 45%
XYZ	13.1894, 15.6921, 11.7849
YIQ	107.5510, -0.5940, -11.2660

Conversions

Conversions Part 2

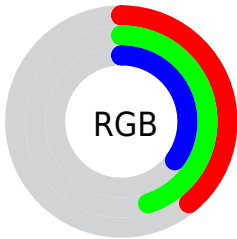
Format	Color
R_{YB}	89, 115, 104
Decimal	6583129
CIE _{Lab}	46.57, -10.83, 12.56
CIE _{LCh}	47, 16.586, 130.761
Yxy	15.6921, 0.3243, 0.3859
Android (android.graphics.Color)	4284773209 (0xFF647359)
YUV	107.5510, -9.1456, -6.6222
Hunter-Lab	39.6133, -9.8909, 10.0906

Details

The XYZ color **13.1894, 15.6921, 11.7849** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.3766, 11.3261, 17.7544**, and the grayscale version is **14.1535, 14.8906, 16.2158**.

A 20% lighter version of the original color is **31.2414, 36.0808, 29.7438**, and **3.9114, 4.9456, 3.0339** is the 20% darker color. If you saturate the color by 10%, you get **12.0395, 15.1513, 9.4042**, and if you desaturate by 10%, it is **14.4754, 16.2953, 14.5666**.

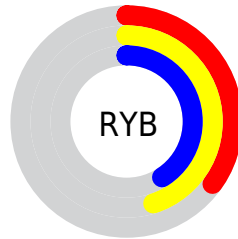
Distribution



Red (39%)

Green (45%)

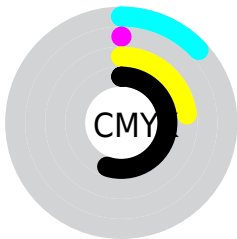
Blue (35%)



Red (35%)

Yellow (45%)

Blue (41%)

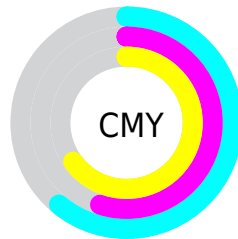


Cyan (13%)

Magenta (0%)

Yellow (23%)

Black (55%)



Cyan (61%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1894, 15.6921, 11.7849 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 13.1894, 15.6921, 11.7849 by changing the saturation by 10% instead.

■ 13.1894, 15.6921,
11.7849

■ 13.1894, 15.6921,
11.7849

205.7411,
227.5179, 213.9032

■ 7.6370, 9.3065,
6.4766

■ 31.2421, 36.0628,
29.7612

■ 3.9134, 4.9417,
3.0636

■ 44.4730, 50.8168,
43.2664

■ 1.6533, 2.2131,
1.1272

■ 60.9942, 69.1291,
60.3409

■ 0.4267, 0.7271,
0.0000

■ 81.1710, 91.3839,
81.4034

■ 0.0000, 0.0000,
0.0000

■ 105.3687,
117.9659, 106.8723

133.9528,

149.2593, 137.1662

167.2884,
185.6485, 172.7036

■ 13.1894, 15.6921,
11.7849

■ 13.1894, 15.6921,
11.7849

■ 12.0395, 15.1513,
9.4042

■ 14.4754, 16.2953,
14.5666

■ 11.0196, 14.6687,
7.4049

■ 15.9008, 16.9608,
17.7654

■ 10.1249, 14.2428,
5.7674

■ 17.4706, 17.6913,
21.3980

■ 9.3495, 13.8710,
4.4701

■ 19.1888, 18.4885,
25.4798

■ 8.6876, 13.5507,
3.4888

■ 21.0596, 19.3543,
30.0253

■ 8.1321, 13.2791,
2.7963

■ 23.0868, 20.2902,
35.0486

■ 7.6749, 13.0527,
2.3590

■ 25.2740, 21.2980,
40.5631

■ 7.3807, 12.9064,
2.1022

■ 27.6249, 22.3791,
46.5815

■ 30.1430, 23.5352,
53.1164

Harmonies

Analogous

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



14.4070, 15.6921, 10.4543



13.1894, 15.6921, 11.7849



12.4647, 15.6921, 14.6185

Triad

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



13.1894, 15.6921, 11.7849



14.0264, 15.6921, 25.6592



17.7849, 15.6921, 15.6564

Complementary

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



13.1894, 15.6921, 11.7849



12.3766, 11.3261, 17.7544

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.



17.6667, 15.6921, 19.8167



13.1894, 15.6921, 11.7849



15.4346, 15.6921, 26.0566

Square

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



13.1894, 15.6921, 11.7849



12.9261, 15.6921, 22.7653



16.7846, 15.6921, 23.7775



17.0978, 15.6921, 12.4398

Rectangle

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



13.1894, 15.6921, 11.7849



12.3291, 15.6921, 17.1909



16.7846, 15.6921, 23.7775



17.8391, 15.6921, 16.9816

Sweetspot

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



13.1898, 15.6928, 11.7852



27.2728, 29.8106, 29.0960



13.7976, 14.2138, 11.4677



6.4818, 7.1003, 6.8863



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.



13.1898, 15.6928, 11.7852



22.5375, 27.5915, 18.8408



12.1279, 15.1368, 12.1201



3.7739, 4.1669, 3.9477



8.4134, 14.7416, 2.4020



40.0637, 71.3553, 11.6614

Inverse Universe

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



12.3766, 11.3261, 17.7544



20.8139, 18.3397, 31.4874



13.6389, 11.9883, 17.2976



3.6840, 3.6844, 4.6072



6.1088, 2.7405, 18.7496



28.7749, 12.8425, 91.3225

Previews

White Background



This preview shows how the XYZ color 13.1894, 15.6921, 11.7849 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 13.1894, 15.6921, 11.7849 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 13.1894, 15.6921, 11.7849

Background



This preview shows how black text looks on a background with the XYZ color 13.1894, 15.6921, 11.7849.



This preview shows how white text looks on a background with the XYZ color 13.1894, 15.6921,

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

13.1894, 15.6921, 11.7849

Protanopia

14.6323, 15.6219, 11.2609

Deuteranopia

15.9444, 15.6526, 12.0784



Tritanopia

14.9003, 15.7282, 20.0198

Trichromacy



Original Color

13.1894, 15.6921, 11.7849

Protanomaly

14.1112, 15.6724, 11.5139

Deuteranomaly

14.7853, 15.5270, 11.8906

Tritanomaly

14.1480, 15.5760, 16.7288

Monochromacy



Original Color

13.1894, 15.6921, 11.7849

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8591, 15.3117, 14.5369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1894, 15.6921, 11.7849 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(100, 115, 89)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 115, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 115, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.1894, 15.6921, 11.7849 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(100, 115, 89) }
```


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

```
.border{ border-color:rgb(100, 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(100, 115, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 115, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 115, 89);  
box-shadow:4px 4px 4px 4px rgb(100, 115,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1894, 15.6921, 11.7849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 115, 89) }
```

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

```
.background{ background-color: rgb(100,  
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](#).

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