

Converting Colors

XYZ(12.8913, 15.9041, 10.7779)

Have a look what the booklet for
XYZ(12.8913, 15.9041, 10.7779)
contains.

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Color

**XYZ(12.8913, 15.9041,
10.7779)**

Conversions

Conversions Part 1

Format	Color
Hex	617554
RGB	97, 117, 84
RGB Percent	38%, 46%, 33%
CMY	0.6196, 0.5412, 0.6706
CMYK	0.17, 0.00, 0.28, 0.54
HSL	96°, 16%, 39%
HSV	96°, 28%, 46%
XYZ	12.8913, 15.9041, 10.7779
YIQ	107.2580, -1.3270, -14.5030

Conversions

Conversions Part 2

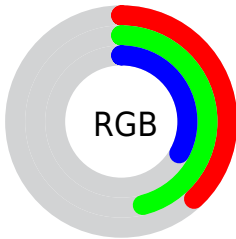
Format	Color
R_{YB}	84, 117, 104
Decimal	6387028
CIE _{Lab}	46.85, -14.00, 15.84
CIE _{LCh}	47, 21.144, 131.473
Yxy	15.9041, 0.3258, 0.4019
Android (android.graphics.Color)	4284577108 (0xFF617554)
YUV	107.2580, -11.4662, -8.9963
Hunter-Lab	39.8799, -12.0893, 11.8923

Details

The XYZ color **12.8913, 15.9041, 10.7779** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.0909, 10.5686, 18.2332**, and the grayscale version is **14.0783, 14.8114, 16.1296**.

A 20% lighter version of the original color is **30.7038, 36.3931, 27.9606**, and **3.8097, 5.0808, 2.6994** is the 20% darker color. If you saturate the color by 10%, you get **11.7487, 15.3642, 8.5289**, and if you desaturate by 10%, it is **14.1788, 16.5109, 13.4341**.

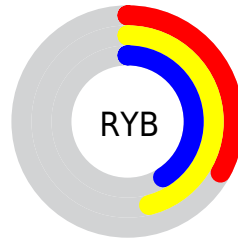
Distribution



Red (38%)

Green (46%)

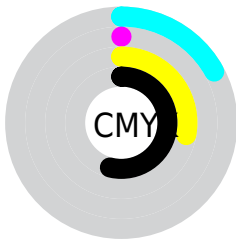
Blue (33%)



Red (33%)

Yellow (46%)

Blue (41%)

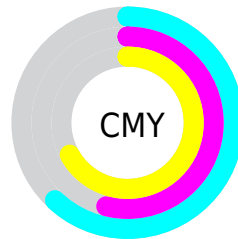


Cyan (17%)

Magenta (0%)

Yellow (28%)

Black (54%)



Cyan (62%)

Magenta (54%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8913, 15.9041, 10.7779 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 12.8913, 15.9041, 10.7779 by changing the saturation by 10% instead.

■ 12.8913, 15.9041,
10.7779

■ 12.8913, 15.9041,
10.7779

203.8716,
228.7752, 206.8198

■ 7.4302, 9.4563,
5.8054

■ 30.7113, 36.4316,
27.8791

■ 3.7813, 5.0400,
2.6602

■ 43.8010, 51.2802,
40.8448

■ 1.5792, 2.2708,
0.9233

■ 60.1643, 69.6978,
57.3121

■ 0.3788, 0.7582,
0.0000

■ 80.1664, 92.0688,
77.6994

■ 0.0000, 0.0000,
0.0000

■ 104.1729,
118.7777, 102.4253

132.5490,

150.2087, 131.9083

165.6601,
186.7464, 166.5670

■ 12.8913, 15.9041,
10.7779

■ 12.8913, 15.9041,
10.7779

■ 11.7487, 15.3642,
8.5289

■ 14.1788, 16.5109,
13.4341

■ 10.7444, 14.8866,
6.6658

■ 15.6154, 17.1847,
16.5150

■ 9.8726, 14.4694,
5.1673

■ 17.2062, 17.9285,
20.0387

■ 9.1270, 14.1099,
4.0092

■ 18.9561, 18.7443,
24.0215

■ 8.5005, 13.8050,
3.1648

■ 20.8696, 19.6340,
28.4794

■ 7.9851, 13.5512,
2.6032

■ 22.9509, 20.5996,
33.4271

■ 7.5620, 13.3408,
2.2367

■ 25.2043, 21.6429,
38.8791

■ 7.4922, 13.3061,
2.1735

■ 27.6336, 22.7657,
44.8489

■ 30.2428, 23.9696,
51.3499

Harmonies

Analogous

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



14.4232, 15.9041, 9.1611



12.8913, 15.9041, 10.7779



12.0025, 15.9041, 14.2915

Triad

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



12.8913, 15.9041, 10.7779



14.0194, 15.9041, 28.8165



18.8573, 15.9041, 15.3777

Complementary

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



12.8913, 15.9041, 10.7779



12.0909, 10.5686, 18.2332

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.



18.7270, 15.9041, 20.7417



12.8913, 15.9041, 10.7779



15.8314, 15.9041, 29.2722

Square

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



12.8913, 15.9041, 10.7779



12.6164, 15.9041, 24.9353



17.5838, 15.9041, 26.0767



17.9265, 15.9041, 11.4336

Rectangle

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



12.8913, 15.9041, 10.7779



11.8469, 15.9041, 17.5788



17.5838, 15.9041, 26.0767



18.9380, 15.9041, 17.0575

Sweetspot

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



12.8917, 15.9048, 10.7782



27.9608, 30.7711, 29.5715



13.8672, 14.2831, 10.4138



6.3509, 7.0383, 6.6296



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.



12.8917, 15.9048, 10.7782



21.6904, 27.8206, 16.5335



11.7506, 15.3012, 11.4157



3.7645, 4.1621, 3.9472



8.2377, 14.6510, 2.3938



39.2383, 70.9299, 11.6228

Inverse Universe

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



12.0909, 10.5686, 18.2332



19.9972, 16.5501, 32.2775



13.5273, 11.3311, 17.3052



3.6936, 3.6894, 4.6077



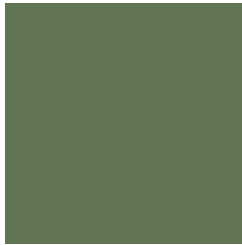
6.3763, 2.8784, 18.7621



30.0891, 13.5200, 91.3840

Previews

White Background



This preview shows how the XYZ color 12.8913, 15.9041, 10.7779 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 12.8913, 15.9041, 10.7779 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 12.8913, 15.9041, 10.7779

Background



This preview shows how black text looks on a background with the XYZ color 12.8913, 15.9041, 10.7779.



This preview shows how white text looks on a background with the XYZ color 12.8913, 15.9041,

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

12.8913, 15.9041, 10.7779

Protanopia

14.7774, 15.8849, 10.0718

Deuteranopia

16.0397, 15.7258, 10.9941



Tritanopia

14.8389, 15.8524, 20.3669

Trichromacy



Original Color

12.8913, 15.9041, 10.7779

Protanomaly

13.9837, 15.7990, 10.2951

Deuteranomaly

14.6868, 15.6593, 10.8428

Tritanomaly

14.0909, 15.8840, 16.5106

Monochromacy



Original Color

12.8913, 15.9041, 10.7779

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5301, 15.1533, 14.0161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8913, 15.9041, 10.7779 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(97, 117, 84) looks like.

```
.text, #text, p{  
  color:rgb(97, 117, 84)  
}
```

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(97, 117, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 117, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.8913, 15.9041, 10.7779 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(97, 117, 84) }
```


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

```
.border{ border-color:rgb(97, 117, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 117, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 117, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 117, 84);  
box-shadow:4px 4px 4px 4px rgb(97, 117,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8913, 15.9041, 10.7779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 117, 84) }
```

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

```
.background{ background-color: rgb(97, 117,  
84) }
```

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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