

Converting Colors

XYZ(12.7877, 11.9670, 15.5458)

Have a look what the booklet for
XYZ(12.7877, 11.9670, 15.5458)
contains.

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Color

**XYZ(12.7877, 11.9670,
15.5458)**

Conversions

Conversions Part 1

Format	Color
Hex	6D5C6B
RGB	109, 92, 107
RGB Percent	43%, 36%, 42%
CMY	0.5725, 0.6392, 0.5804
CMYK	0.00, 0.16, 0.02, 0.57
HSL	307°, 8%, 39%
HSV	307°, 16%, 43%
XYZ	12.7877, 11.9670, 15.5458
YIQ	98.7930, 5.3170, 8.2690

Conversions

Conversions Part 2

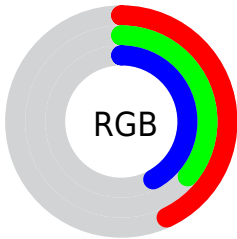
Format	Color
R_{YB}	109, 92, 107
Decimal	7167083
CIE Lab	41.16, 9.81, -5.97
CIE LCh	41, 11.486, 328.662
Yxy	11.9670, 0.3173, 0.2969
Android (android.graphics.Color)	4285357163 (0xFF6D5C6B)
YUV	98.7930, 4.0461, 8.9515
Hunter-Lab	34.5934, 5.4455, -2.4288

Details

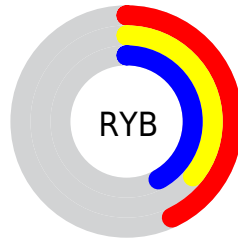
The XYZ color **12.7877, 11.9670, 15.5458** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9031, 14.0212, 12.6694**, and the grayscale version is **11.7971, 12.4115, 13.5161**.

A 20% lighter version of the original color is **30.5425, 29.3917, 36.4112**, and **3.7171, 3.2723, 4.7107** is the 20% darker color. If you saturate the color by 10%, you get **11.8437, 10.1861, 14.9007**, and if you desaturate by 10%, it is **13.8693, 14.0211, 16.2420**.

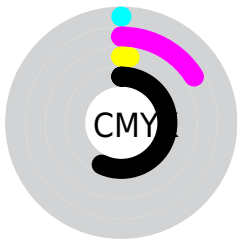
Distribution



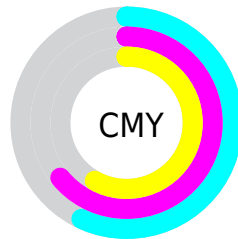
- Red (43%)
- Green (36%)
- Blue (42%)



- Red (43%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (57%)



- Cyan (57%)
- Magenta (64%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7877, 11.9670, 15.5458 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 12.7877, 11.9670, 15.5458 by changing the saturation by 10% instead.

■ 12.7877, 11.9670,
15.5458

■ 12.7877, 11.9670,
15.5458

203.2178,
204.1867, 238.3999

■ 7.3585, 6.7212,
9.0525

■ 30.5264, 29.4350,
36.5636

■ 3.7356, 3.2884,
4.6781

■ 43.5667, 42.4260,
51.9252

■ 1.5537, 1.2841,
2.0043

■ 59.8746, 58.7675,
71.0799

■ 0.3619, 0.1288,
0.5579

■ 79.8157, 78.8439,
94.4464

■ 0.0000, 0.0000,
0.0000

103.7551,
103.0397, 122.4430

132.0584,

131.7391, 155.4885

165.0908,
165.3267, 194.0013

■ 12.7877, 11.9670,
15.5458

■ 12.7877, 11.9670,
15.5458

■ 11.8437, 10.1861,
14.9007

■ 13.8693, 14.0211,
16.2420

■ 11.0305, 8.6653,
14.3040

■ 15.0928, 16.3578,
16.9903

■ 10.3422, 7.3927,
13.7538

■ 16.4638, 18.9877,
17.7927

■ 9.7721, 6.3549,
13.2480

■ 17.9871, 21.9207,
18.6509

■ 9.3129, 5.5374,
12.7839

■ 19.6675, 25.1661,
19.5665

■ 8.9564, 4.9237,
12.3589

■ 21.5093, 28.7327,
20.5410

■ 8.6933, 4.4953,
11.9699

■ 23.5168, 32.6291,
21.5757

■ 8.5044, 4.2137,
11.6103

■ 25.6941, 36.8636,
22.6722

■ 8.4261, 4.0990,
11.4551

■ 28.0453, 41.4441,
23.8317

Harmonies

Analogous

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



12.1544, 11.9670, 17.4501



12.7877, 11.9670, 15.5458



13.0398, 11.9670, 13.1367

Triad

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



12.7877, 11.9670, 15.5458



11.4115, 11.9670, 8.9857



10.0348, 11.9670, 15.3395

Complementary

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



12.7877, 11.9670, 15.5458



11.9031, 14.0212, 12.6694

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.



9.8570, 11.9670, 12.9240



12.7877, 11.9670, 15.5458



10.6283, 11.9670, 9.4275

Square

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



12.7877, 11.9670, 15.5458



12.2218, 11.9670, 9.5135



10.0690, 11.9670, 10.8015



10.5669, 11.9670, 17.3211

Rectangle

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



12.7877, 11.9670, 15.5458



12.9488, 11.9670, 11.6260



10.0690, 11.9670, 10.8015



9.9328, 11.9670, 14.5428

Sweetspot

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



12.7881, 11.9675, 15.5461



24.9289, 25.2863, 29.1422



11.2023, 11.1377, 16.0277



5.7760, 5.8365, 6.7658



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.



12.7881, 11.9675, 15.5461



22.2050, 20.1180, 27.3720



12.3634, 11.7976, 13.3096



3.2030, 3.1581, 3.7992



9.8496, 4.7920, 13.3683



49.9797, 24.3338, 67.0208

Inverse Universe

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



12.7881, 11.9675, 15.5461



22.2050, 20.1180, 27.3720



12.3050, 14.1819, 14.7857



3.2030, 3.1581, 3.7992



9.8496, 4.7920, 13.3683



49.9797, 24.3338, 67.0208

Previews

White Background



This preview shows how the XYZ color 12.7877, 11.9670, 15.5458 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 12.7877, 11.9670, 15.5458 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 12.7877, 11.9670, 15.5458

Background



This preview shows how black text looks on a background with the XYZ color 12.7877, 11.9670, 15.5458.



This preview shows how white text looks on a background with the XYZ color 12.7877, 11.9670,

15.5458.

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

12.7877, 11.9670, 15.5458

Protanopia

11.7167, 11.9244, 16.4360

Deuteranopia

12.1360, 11.8917, 15.5656



Tritanopia

12.3989, 11.9369, 13.7072

Trichromacy



Original Color

12.7877, 11.9670, 15.5458

Protanomaly

12.1081, 11.9979, 16.1457

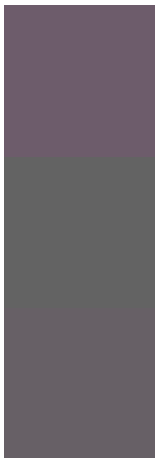
Deuteranomaly

12.3939, 11.8935, 15.5524

Tritanomaly

12.5469, 11.9961, 14.4862

Monochromacy



Original Color

12.7877, 11.9670, 15.5458

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1747, 12.2086, 14.2852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7877, 11.9670, 15.5458 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(109, 92, 107)` looks like.

```
.text, #text, p{  
    color:rgb(109, 92, 107)  
}
```

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(109, 92, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 92, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.7877, 11.9670, 15.5458 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(109, 92, 107) }
```


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

```
.border{ border-color:rgb(109, 92, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 92, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 92, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 92, 107);  
box-shadow:4px 4px 4px 4px rgb(109, 92,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7877, 11.9670, 15.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 92, 107) }
```

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

```
.background{ background-color: rgb(109, 92,  
107) }
```

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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