

Converting Colors

XYZ(12.0153, 12.2160, 14.5373)

Have a look what the booklet for
XYZ(12.0153, 12.2160, 14.5373)
contains.

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Color

**XYZ(12.0897, 12.2954,
14.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	656167
RGB	101, 97, 103
RGB Percent	40%, 38%, 40%
CMY	0.6039, 0.6196, 0.5961
CMYK	0.02, 0.06, 0.00, 0.60
HSL	280°, 3%, 39%
HSV	280°, 6%, 40%
XYZ	12.0897, 12.2954, 14.5680
YIQ	98.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

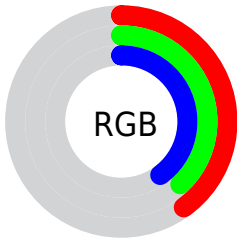
Format	Color
R_{YB}	101, 97, 103
Decimal	6644071
CIE _{Lab}	41.68, 2.83, -2.84
CIE _{LCh}	42, 4.008, 314.866
Yxy	12.2954, 0.3104, 0.3156
Android (android.graphics.Color)	4284834151 (0xFF656167)
YUV	98.8800, 2.0312, 1.8592
Hunter-Lab	35.0648, 0.1801, -0.0872

Details

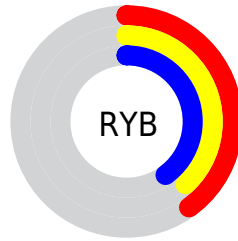
The XYZ color **12.0897, 12.2954, 14.5680** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1540, 13.2166, 13.2204**, and the grayscale version is **11.8248, 12.4406, 13.5478**.

A 20% lighter version of the original color is **29.3715, 30.1883, 34.8507**, and **3.4190, 3.4374, 4.2247** is the 20% darker color. If you saturate the color by 10%, you get **10.8227, 10.3202, 14.2537**, and if you desaturate by 10%, it is **13.4971, 14.5271, 14.9248**.

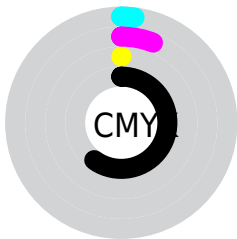
Distribution



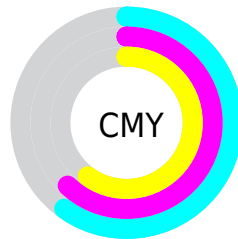
- Red (40%)
- Green (38%)
- Blue (40%)



- Red (40%)
- Yellow (38%)
- Blue (40%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (60%)



- Cyan (60%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0897, 12.2954, 14.5680 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 12.0897, 12.2954, 14.5680 by changing the saturation by 10% instead.

■ 12.0897, 12.2954,
14.5680

■ 12.0897, 12.2954,
14.5680

198.7560,
206.3512, 232.2863

■ 6.8774, 6.9452,
8.3735

■ 29.2738, 30.0320,
34.8250

■ 3.4312, 3.4278,
4.2437

■ 41.9764, 43.1871,
49.7247

■ 1.3857, 1.3590,
1.7600

■ 57.9064, 59.7128,
68.3631

■ 0.2460, 0.1862,
0.4013

■ 77.4292, 79.9932,
91.1589

■ 0.0000, 0.0000,
0.0000

100.9103,
104.4129, 118.5306

128.7148,

133.3562, 150.8967

161.2083,
167.2075, 188.6758

■ 12.0897, 12.2954,
14.5680

■ 12.0897, 12.2954,
14.5680

■ 10.8227, 10.3202,
14.2537

■ 13.4971, 14.5271,
14.9248

■ 9.6900, 8.5904,
13.9795

■ 15.0485, 17.0228,
15.3247

■ 8.6869, 7.0964,
13.7440

■ 16.7487, 19.7917,
15.7696

■ 7.8078, 5.8274,
13.5454

■ 18.6019, 22.8418,
16.2606

■ 7.0465, 4.7715,
13.3817

■ 20.6122, 26.1811,
16.7992

6.3967, 3.9159,
13.2508

22.7834, 29.8170,
17.3866

5.8508, 3.2464,
13.1504

25.1193, 33.7570,
18.0240

5.4008, 2.7468,
13.0777

27.6236, 38.0078,
18.7125

5.0270, 2.3780,
13.0262

30.2997, 42.5764,
19.4532

Harmonies

Analogous

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



11.8320, 12.2954, 15.0139



12.0897, 12.2954, 14.5680



12.2406, 12.2954, 13.8147

Triad

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



12.0897, 12.2954, 14.5680



11.8346, 12.2954, 11.8850



11.1486, 12.2954, 13.8072

Complementary

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



12.0897, 12.2954, 14.5680



12.1540, 13.2166, 13.2204

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.



11.1492, 12.2954, 12.9694



12.0897, 12.2954, 14.5680



11.5420, 12.2954, 11.8832

Square

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



12.0897, 12.2954, 14.5680



12.0916, 12.2954, 12.2778



11.2922, 12.2954, 12.2728



11.2904, 12.2954, 14.5623

Rectangle

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



12.0897, 12.2954, 14.5680



12.2587, 12.2954, 13.2508



11.2922, 12.2954, 12.2728



11.1322, 12.2954, 13.5254

Sweetspot

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



12.0901, 12.2959, 14.5683



22.5670, 23.4663, 26.3171



11.8498, 12.4639, 14.6133



5.5162, 5.7416, 6.4234



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.0901, 12.2959, 14.5683



21.3199, 21.5011, 26.0035



12.2718, 12.3948, 14.3423



2.9085, 2.9346, 3.5451



6.0992, 2.7884, 16.3611



30.8566, 14.0514, 85.2873

Inverse Universe

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



12.1208, 12.3344, 13.5471



21.3891, 21.5866, 23.7540



11.9804, 13.1222, 13.4325



2.9179, 2.9462, 3.2416



7.3916, 3.7696, 2.1943



38.1809, 19.5124, 9.4962

Previews

White Background



This preview shows how the XYZ color 12.0897, 12.2954, 14.5680 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 12.0897, 12.2954, 14.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

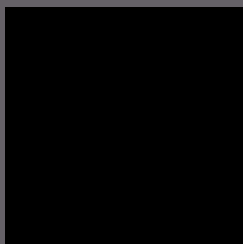
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0897, 12.2954, 14.5680

Background



This preview shows how black text looks on a background with the XYZ color 12.0897, 12.2954, 14.5680.



This preview shows how white text looks on a background with the XYZ color 12.0897, 12.2954,

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

12.0897, 12.2954, 14.5680

Protanopia

11.9615, 12.3673, 14.5887

Deuteranopia

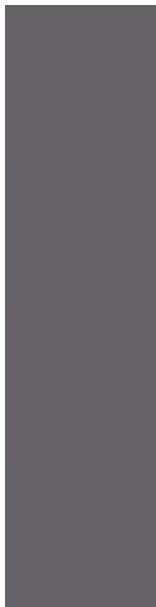
12.4842, 12.2279, 14.5342



Tritanopia

12.1402, 12.3156, 14.8340

Trichromacy



Original Color

12.0897, 12.2954, 14.5680

Protanomaly

12.0714, 12.4240, 14.5938

Deuteranomaly

12.3400, 12.2881, 14.5534

Tritanomaly

12.1402, 12.3156, 14.8340

Monochromacy



Original Color

12.0897, 12.2954, 14.5680

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9235, 12.3648, 13.8148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0897, 12.2954, 14.5680 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(101, 97, 103)` looks like.

```
.text, #text, p{  
    color:rgb(101, 97, 103)  
}
```

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(101, 97, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 97, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.0897, 12.2954, 14.5680 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(101, 97, 103) }
```


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

```
.border{ border-color:rgb(101, 97, 103) }
```

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

Here you see how a box with a 4 pixel rgb(101, 97, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 97, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 97, 103);  
box-shadow:4px 4px 4px 4px rgb(101, 97,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0897, 12.2954, 14.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 97, 103) }
```

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

```
.background{ background-color: rgb(101, 97,  
103) }
```

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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