

Converting Colors

XYZ(12.2577, 11.7193, 14.3965)

Have a look what the booklet for
XYZ(12.2577, 11.7193, 14.3965)
contains.

XYZ(12.2192, 11.6977, 14.4458)	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(12.2192, 11.6977,
14.4458)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5C67
RGB	106, 92, 103
RGB Percent	42%, 36%, 40%
CMY	0.5843, 0.6392, 0.5961
CMYK	0.00, 0.13, 0.03, 0.58
HSL	313°, 7%, 39%
HSV	313°, 13%, 42%
XYZ	12.2192, 11.6977, 14.4458
YIQ	97.4400, 4.8130, 6.3890

Conversions

Conversions Part 2

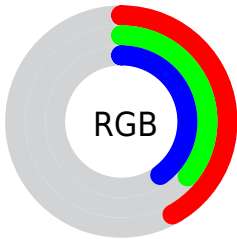
Format	Color
R_{YB}	106, 92, 103
Decimal	6970471
CIE Lab	40.73, 7.82, -4.19
CIE LCh	41, 8.871, 331.798
Yxy	11.6977, 0.3185, 0.3049
Android (android.graphics.Color)	4285160551 (0xFF6A5C67)
YUV	97.4400, 2.7411, 7.5071
Hunter-Lab	34.2019, 3.9188, -1.1009

Details

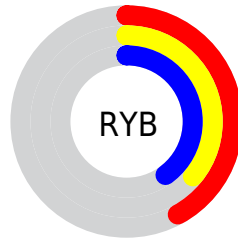
The XYZ color **12.2192, 11.6977, 14.4458** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6337, 13.4100, 12.8024**, and the grayscale version is **11.4635, 12.0605, 13.1339**.

A 20% lighter version of the original color is **29.4104, 28.8472, 34.5898**, and **3.4944, 3.1693, 4.1689** is the 20% darker color. If you saturate the color by 10%, you get **11.2521, 9.9433, 13.5685**, and if you desaturate by 10%, it is **13.3186, 13.7114, 15.3828**.

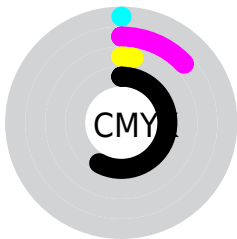
Distribution



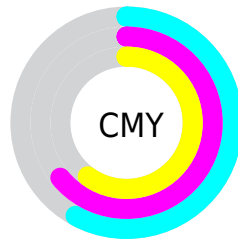
- Red (42%)
- Green (36%)
- Blue (40%)



- Red (42%)
- Yellow (36%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (3%)
- Black (58%)



- Cyan (58%)
- Magenta (64%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2192, 11.6977, 14.4458 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 12.2192, 11.6977, 14.4458 by changing the saturation by 10% instead.

■ 12.2192, 11.6977,
14.4458

■ 12.2192, 11.6977,
14.4458

199.5915,
202.3936, 231.5109

■ 6.9664, 6.5382,
8.2891

■ 29.5071, 28.9433,
34.6064

■ 3.4872, 3.1750,
4.1901

■ 42.2729, 41.7982,
49.4474

■ 1.4164, 1.2238,
1.7302

■ 58.2738, 57.9870,
68.0202

■ 0.2678, 0.0810,
0.3813

■ 77.8751, 77.8941,
90.7434

■ 0.0000, 0.0000,
0.0000

101.4422,
101.9040, 118.0356

129.3404,

130.4009, 150.3151

161.9350,
163.7693, 188.0007

■ 12.2192, 11.6977,
14.4458

■ 12.2192, 11.6977,
14.4458

■ 11.2521, 9.9433,
13.5685

■ 13.3186, 13.7114,
15.3828

■ 10.4109, 8.4361,
12.7482

■ 14.5543, 15.9928,
16.3804

■ 9.6903, 7.1651,
11.9832

■ 15.9314, 18.5519,
17.4408

■ 9.0841, 6.1181,
11.2712

■ 17.4544, 21.3978,
18.5654

■ 8.5856, 5.2818,
10.6100

■ 19.1277, 24.5390,
19.7558

8.1875, 4.6414,
9.9968

20.9553, 27.9839,
21.0136

7.8813, 4.1801,
9.4289

22.9412, 31.7402,
22.3402

7.6549, 3.8737,
8.9020

25.0893, 35.8156,
23.7368

7.5162, 3.6931,
8.5572

27.4033, 40.2176,
25.2050

Harmonies

Analogous

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



11.7682, 11.6977, 15.9151



12.2192, 11.6977, 14.4458



12.3722, 11.6977, 12.6284

Triad

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



12.2192, 11.6977, 14.4458



11.0804, 11.6977, 9.5774



10.1212, 11.6977, 14.6516

Complementary

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



12.2192, 11.6977, 14.4458



11.6337, 13.4100, 12.8024

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.



9.9522, 11.6977, 12.8458



12.2192, 11.6977, 14.4458



10.4928, 11.6977, 10.0126

Square

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



12.2192, 11.6977, 14.4458



11.7000, 11.6977, 9.9203



10.0856, 11.6977, 11.1682



10.5562, 11.6977, 16.0416

Rectangle

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



12.2192, 11.6977, 14.4458



12.2801, 11.6977, 11.4928



10.0856, 11.6977, 11.1682



10.0322, 11.6977, 14.0675

Sweetspot

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



12.2195, 11.6982, 14.4461



23.1899, 23.7248, 26.8437



11.1277, 11.1176, 15.1954



5.4042, 5.5060, 6.2647



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.



12.2195, 11.6982, 14.4461



20.8709, 19.4849, 24.8431



11.8920, 11.5672, 12.7211



3.1912, 3.1533, 3.7370



9.3152, 4.5782, 10.5541



47.1374, 23.1969, 52.0537

Inverse Universe

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



12.2195, 11.6982, 14.4461



20.8709, 19.4849, 24.8431



11.9564, 13.5391, 14.5019



3.1912, 3.1533, 3.7370



9.3152, 4.5782, 10.5541



47.1374, 23.1969, 52.0537

Previews

White Background



This preview shows how the XYZ color 12.2192, 11.6977, 14.4458 looks on a white background.

Color Contrast Check

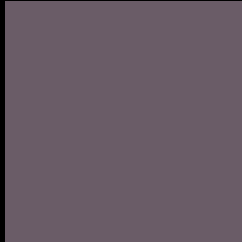
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2192, 11.6977, 14.4458 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 12.2192, 11.6977, 14.4458

Background



This preview shows how black text looks on a background with the XYZ color 12.2192, 11.6977, 14.4458.



This preview shows how white text looks on a background with the XYZ color 12.2192, 11.6977,

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

12.2192, 11.6977, 14.4458

Protanopia

11.3613, 11.6372, 15.0120

Deuteranopia

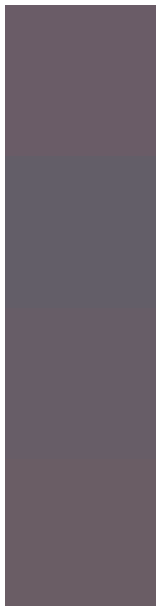
11.8420, 11.6328, 14.4532



Tritanopia

12.1585, 11.8130, 13.6959

Trichromacy



Original Color

12.2192, 11.6977, 14.4458

Protanomaly

11.6470, 11.6575, 14.7330

Deuteranomaly

11.9561, 11.6915, 14.4585

Tritanomaly

12.2072, 11.8325, 13.9524

Monochromacy



Original Color

12.2192, 11.6977, 14.4458

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5999, 11.7946, 13.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2192, 11.6977, 14.4458 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(106, 92, 103)` looks like.

```
.text, #text, p{  
    color:rgb(106, 92, 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(106, 92, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 92, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.2192, 11.6977, 14.4458 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(106, 92, 103) }
```


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

```
.border{ border-color:rgb(106, 92, 103) }
```

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

Here you see how a box with a 4 pixel rgb(106, 92, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 92, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 92, 103);  
box-shadow:4px 4px 4px 4px rgb(106, 92,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2192, 11.6977, 14.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 92, 103) }
```

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

```
.background{ background-color: rgb(106, 92,  
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](#).

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