

Converting Colors

XYZ(13.1864, 14.1808, 14.9399)

Have a look what the booklet for
XYZ(13.1864, 14.1808, 14.9399)
contains.

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Color

**XYZ(13.1957, 14.1709,
14.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	676A67
RGB	103, 106, 103
RGB Percent	40%, 42%, 40%
CMY	0.5961, 0.5843, 0.5961
CMYK	0.03, 0.00, 0.03, 0.58
HSL	120°, 1%, 41%
HSV	120°, 3%, 42%
XYZ	13.1957, 14.1709, 14.8717
YIQ	104.7610, -0.8250, -1.5690

Conversions

Conversions Part 2

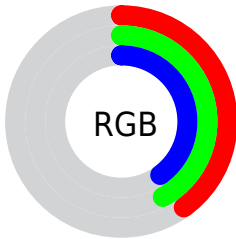
Format	Color
RYB	103, 106, 106
Decimal	6777447
CIELab	44.48, -1.78, 1.27
CIElCh	44, 2.184, 144.369
Yxy	14.1709, 0.3124, 0.3355
Android (android.graphics.Color)	4284967527 (0xFF676A67)
YUV	104.7610, -0.8682, -1.5444
Hunter-Lab	37.6443, -3.3066, 2.9279

Details

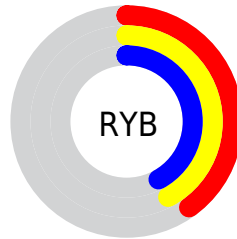
The XYZ color **13.1957, 14.1709, 14.8717** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3961, 13.8056, 15.5950**, and the grayscale version is **13.3654, 14.0614, 15.3129**.

A 20% lighter version of the original color is **31.2161, 33.3171, 35.3574**, and **3.9087, 4.2542, 4.3565** is the 20% darker color. If you saturate the color by 10%, you get **11.5574, 13.3844, 12.1917**, and if you desaturate by 10%, it is **15.0565, 15.0651, 17.9148**.

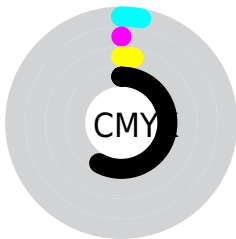
Distribution



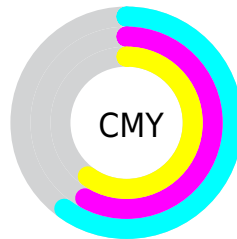
- Red (40%)
- Green (42%)
- Blue (40%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1957, 14.1709, 14.8717 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 13.1957, 14.1709, 14.8717 by changing the saturation by 10% instead.

■ 13.1957, 14.1709,
14.8717

■ 13.1957, 14.1709,
14.8717

205.7804,
218.2914, 234.2023

■ 7.6414, 8.2396,
8.5838

■ 31.2533, 33.3920,
35.3671

■ 3.9162, 4.2487,
4.3776

■ 44.4872, 47.4505,
50.4116

■ 1.6548, 1.8136,
1.8347

■ 61.0117, 64.9870,
69.2120

■ 0.4277, 0.4956,
0.4507

■ 81.1922, 86.3857,
92.1870

■ 0.0000, 0.0000,
0.0000

105.3939,
112.0312, 119.7549

133.9823,

142.3076, 152.3344

167.3227,
177.5996, 190.3440

■ 13.1957, 14.1709,
14.8717

■ 13.1957, 14.1709,
14.8717

■ 11.5574, 13.3844,
12.1917

■ 15.0565, 15.0651,
17.9148

■ 10.1321, 12.6997,
9.8605

■ 17.1463, 16.0690,
21.3329

■ 8.9114, 12.1133,
7.8638

■ 19.4730, 17.1867,
25.1384

■ 7.8859, 11.6207,
6.1865

■ 22.0438, 18.4215,
29.3431

■ 7.0455, 11.2170,
4.8118

■ 24.8655, 19.7769,
33.9581

■ 6.3792, 10.8970,
3.7219

■ 27.9445, 21.2560,
38.9940

■ 5.8747, 10.6547,
2.8968

■ 31.2873, 22.8617,
44.4611

■ 5.5184, 10.4835,
2.3138

■ 34.8998, 24.5970,
50.3696

■ 5.2911, 10.3743,
1.9420

■ 38.7880, 26.4647,
56.7288

Harmonies

Analogous

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



13.3298, 14.1709, 14.5632



13.1957, 14.1709, 14.8717



13.1349, 14.1709, 15.3348

Triad

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



13.1957, 14.1709, 14.8717



13.4358, 14.1709, 16.4149



13.7798, 14.1709, 15.0331

Complementary

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



13.1957, 14.1709, 14.8717



13.3961, 13.8056, 15.5950

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.



13.8088, 14.1709, 15.5250



13.1957, 14.1709, 14.8717



13.6092, 14.1709, 16.3299

Square

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



13.1957, 14.1709, 14.8717



13.2727, 14.1709, 16.2313



13.7461, 14.1709, 16.0015



13.6672, 14.1709, 14.6549

Rectangle

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



13.1957, 14.1709, 14.8717



13.1437, 14.1709, 15.6716



13.7461, 14.1709, 16.0015



13.7997, 14.1709, 15.1903

Sweetspot

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



13.1961, 14.1715, 14.8720



23.7183, 25.1391, 27.0154



13.5467, 14.3523, 14.8883



5.5624, 5.8919, 6.3388



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.



13.1961, 14.1715, 14.8720



23.0815, 24.8332, 25.9739



13.2721, 14.2019, 15.2724



3.2908, 3.5537, 3.6919



6.3964, 12.7926, 2.1324



32.5921, 65.1839, 10.8646

Inverse Universe

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



13.3961, 13.8056, 15.5950



23.4630, 24.1353, 27.3528



13.3187, 13.7746, 15.1875



3.3543, 3.4375, 3.9216



10.6044, 5.0939, 17.3433



54.0340, 25.9555, 88.3705

Previews

White Background



This preview shows how the XYZ color 13.1957, 14.1709, 14.8717 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 13.1957, 14.1709, 14.8717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

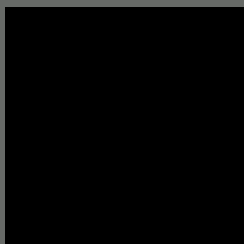
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

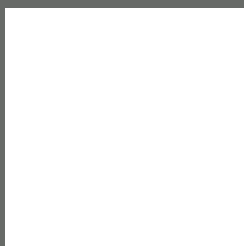
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1957, 14.1709, 14.8717

Background



This preview shows how black text looks on a background with the XYZ color 13.1957, 14.1709, 14.8717.



This preview shows how white text looks on a background with the XYZ color 13.1957, 14.1709,

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

13.1957, 14.1709, 14.8717

Protanopia

13.6342, 14.2506, 14.6024

Deuteranopia

14.4525, 14.2152, 15.0788



Tritanopia

13.8579, 14.2987, 17.6523

Trichromacy

**Original Color**

13.1957, 14.1709, 14.8717

Protanomaly

13.3937, 14.1266, 14.5912

Deuteranomaly

13.9045, 14.0795, 15.0815

Tritanomaly

13.5208, 14.1503, 16.4867

Monochromacy

**Original Color**

13.1957, 14.1709, 14.8717

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2592, 14.0457, 15.1090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1957, 14.1709, 14.8717 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(103, 106, 103)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 13.1957, 14.1709, 14.8717 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(103, 106, 103) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 13.1957, 14.1709, 14.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(103,  
106, 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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