

Converting Colors

XYZ(13.3232, 14.5084, 13.1602)

Have a look what the booklet for
XYZ(13.3232, 14.5084, 13.1602)
contains.

XYZ(13.4177, 14.6338, 13.1838)	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(13.4177, 14.6338,
13.1838)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6C60
RGB	106, 108, 96
RGB Percent	42%, 42%, 38%
CMY	0.5843, 0.5765, 0.6235
CMYK	0.02, 0.00, 0.11, 0.58
HSL	70°, 6%, 40%
HSV	70°, 11%, 42%
XYZ	13.4177, 14.6338, 13.1838
YIQ	106.0340, 2.6600, -4.1560

Conversions

Conversions Part 2

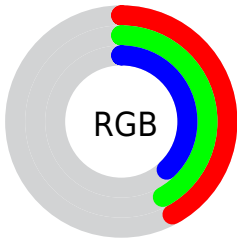
Format	Color
R_{YB}	96, 108, 98
Decimal	6974560
CIE Lab	45.13, -3.14, 6.45
CIE LCh	45, 7.173, 115.955
Yxy	14.6338, 0.3254, 0.3549
Android (android.graphics.Color)	4285164640 (0xFF6A6C60)
YUV	106.0340, -4.9468, -0.0298
Hunter-Lab	38.2542, -4.3356, 6.3444

Details

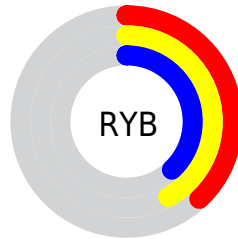
The XYZ color **13.4177, 14.6338, 13.1838** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9273, 12.0456, 15.8845**, and the grayscale version is **13.7218, 14.4364, 15.7213**.

A 20% lighter version of the original color is **31.4911, 34.0397, 32.1047**, and **4.0481, 4.4976, 3.6724** is the 20% darker color. If you saturate the color by 10%, you get **12.7425, 14.3397, 10.7325**, and if you desaturate by 10%, it is **14.1666, 14.9588, 15.9959**.

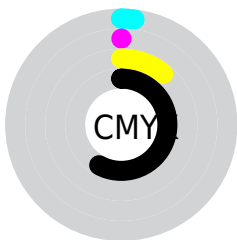
Distribution



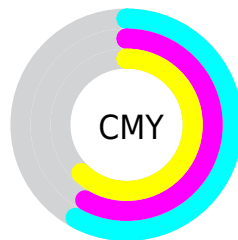
- Red (42%)
- Green (42%)
- Blue (38%)



- Red (38%)
- Yellow (42%)
- Blue (38%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (58%)



- Cyan (58%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4177, 14.6338, 13.1838 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 13.4177, 14.6338, 13.1838 by changing the saturation by 10% instead.

■ 13.4177, 14.6338,
13.1838

■ 13.4177, 14.6338,
13.1838

207.1615,
221.1389, 223.3413

■ 7.7958, 8.5628,
7.4230

■ 31.6472, 34.2095,
32.3296

■ 4.0153, 4.4571,
3.6456

■ 44.9854, 48.4829,
46.5517

■ 1.7108, 1.9324,
1.4330

■ 61.6265, 66.2593,
64.4314

■ 0.4630, 0.5678,
0.1673

■ 81.9357, 87.9230,
86.3871

■ 0.0000, 0.0000,
0.0000

106.2785,
113.8584, 112.8374

135.0201,

144.4499, 144.2008

168.5260,
180.0819, 180.8960

■ 13.4177, 14.6338,
13.1838

■ 13.4177, 14.6338,
13.1838

■ 12.7425, 14.3397,
10.7325

■ 14.1666, 14.9588,
15.9959

■ 12.1369, 14.0735,
8.6263

■ 14.9905, 15.3139,
19.1815

■ 11.5984, 13.8346,
6.8501

■ 15.8925, 15.7008,
22.7540

■ 11.1237, 13.6218,
5.3871

■ 16.8748, 16.1203,
26.7258

■ 10.7094, 13.4337,
4.2190

■ 17.9398, 16.5734,
31.1087

■ 10.3516, 13.2686,
3.3257

■ 19.0896, 17.0610,
35.9141

■ 10.0459, 13.1249,
2.6845

■ 20.3263, 17.5838,
41.1528

■ 9.7875, 13.0006,
2.2692

■ 21.6519, 18.1428,
46.8356

■ 9.5774, 12.8984,
1.9849

■ 23.0684, 18.7387,
52.9723

Harmonies

Analogous

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



13.9893, 14.6338, 12.9037



13.4177, 14.6338, 13.1838



12.9888, 14.6338, 14.1808

Triad

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



13.4177, 14.6338, 13.1838



13.2826, 14.6338, 18.7844



15.0732, 14.6338, 16.1643

Complementary

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



13.4177, 14.6338, 13.1838



11.9273, 12.0456, 15.8845

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.



14.8717, 14.6338, 17.8254



13.4177, 14.6338, 13.1838



13.8290, 14.6338, 19.4044

Square

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



13.4177, 14.6338, 13.1838



12.9124, 14.6338, 17.4005



14.4121, 14.6338, 19.0417



14.9556, 14.6338, 14.5518

Rectangle

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



13.4177, 14.6338, 13.1838



12.8358, 14.6338, 15.1571



14.4121, 14.6338, 19.0417



15.0404, 14.6338, 16.7364

Sweetspot

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



13.4181, 14.6344, 13.1841



24.6008, 26.1444, 27.0582



12.6639, 12.7685, 12.8637



5.9318, 6.3183, 6.4632



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.



13.4181, 14.6344, 13.1841



23.2792, 25.5708, 22.1268



12.7299, 14.2797, 13.1519



3.2861, 3.5593, 3.3313



11.4039, 15.3741, 2.3665



57.4804, 78.0143, 12.0287

Inverse Universe

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



11.9273, 12.0456, 15.8845



20.1800, 20.1887, 27.7409



12.5991, 12.3919, 15.9160



2.9912, 3.0472, 3.8654



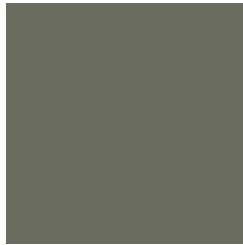
3.5084, 1.4357, 17.0145



17.3593, 7.0487, 86.6718

Previews

White Background



This preview shows how the XYZ color 13.4177, 14.6338, 13.1838 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 13.4177, 14.6338, 13.1838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

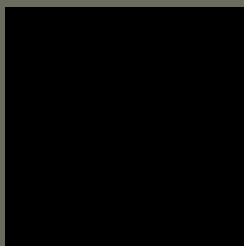
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4177, 14.6338, 13.1838

Background



This preview shows how black text looks on a background with the XYZ color 13.4177, 14.6338, 13.1838.



This preview shows how white text looks on a background with the XYZ color 13.4177, 14.6338,

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

13.4177, 14.6338, 13.1838

Protanopia

13.7751, 14.5138, 12.9019

Deuteranopia

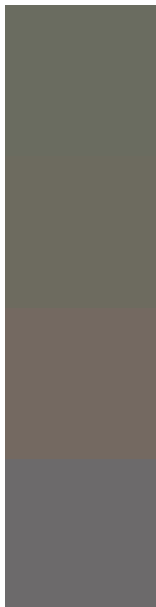
14.8931, 14.6285, 13.3479



Tritanopia

14.3955, 14.5693, 17.9730

Trichromacy



Original Color

13.4177, 14.6338, 13.1838

Protanomaly

13.6299, 14.5928, 12.9248

Deuteranomaly

14.4117, 14.6792, 13.3831

Tritanomaly

13.9922, 14.5578, 15.9824

Monochromacy



Original Color

13.4177, 14.6338, 13.1838

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5998, 14.5389, 14.6599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4177, 14.6338, 13.1838 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, 108, 96) looks like.

```
.text, #text, p{  
    color:rgb(106, 108, 96)  
}
```

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, 108, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 108, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.4177, 14.6338, 13.1838 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, 108, 96) }
```


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

```
.border{ border-color:rgb(106, 108, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 108, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 108, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 108, 96);  
box-shadow:4px 4px 4px 4px rgb(106, 108,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4177, 14.6338, 13.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 108, 96) }
```

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

```
.background{ background-color: rgb(106,  
108, 96) }
```

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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