

Converting Colors

XYZ(13.8663, 14.8231, 14.1071)

Have a look what the booklet for
XYZ(13.8663, 14.8231, 14.1071)
contains.

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Color

**XYZ(13.8472, 14.8334,
14.1899)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6C64
RGB	108, 108, 100
RGB Percent	42%, 42%, 39%
CMY	0.5765, 0.5765, 0.6078
CMYK	0.00, 0.00, 0.07, 0.58
HSL	60°, 4%, 41%
HSV	60°, 7%, 42%
XYZ	13.8472, 14.8334, 14.1899
YIQ	107.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

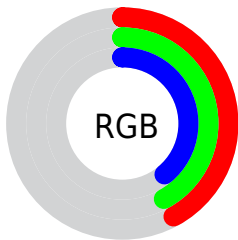
Format	Color
R_{YB}	100, 108, 100
Decimal	7105636
CIE Lab	45.41, -1.58, 4.47
CIE LCh	45, 4.743, 109.499
Yxy	14.8334, 0.3230, 0.3460
Android (android.graphics.Color)	4285295716 (0xFF6C6C64)
YUV	107.0880, -3.4944, 0.7998
Hunter-Lab	38.5142, -3.2227, 5.1155

Details

The XYZ color **13.8472, 14.8334, 14.1899** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5200, 12.9068, 16.0195**, and the grayscale version is **14.0088, 14.7383, 16.0501**.

A 20% lighter version of the original color is **32.2821, 34.4016, 34.2169**, and **4.2358, 4.5866, 4.0302** is the 20% darker color. If you saturate the color by 10%, you get **13.3586, 14.6384, 11.6168**, and if you desaturate by 10%, it is **14.4059, 15.0574, 17.1287**.

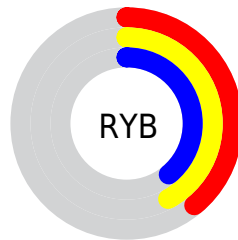
Distribution



Red (42%)

Green (42%)

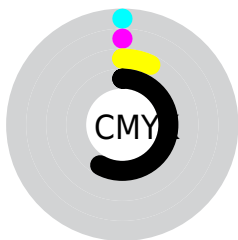
Blue (39%)



Red (39%)

Yellow (42%)

Blue (39%)

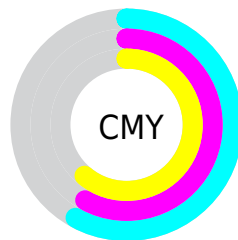


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (58%)



Cyan (58%)

Magenta (58%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8472, 14.8334, 14.1899 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 13.8472, 14.8334, 14.1899 by changing the saturation by 10% instead.

■ 13.8472, 14.8334,
14.1899

■ 13.8472, 14.8334,
14.1899

209.8079,
222.3556, 229.8784

■ 8.0955, 8.7025,
8.1126

■ 32.4062, 34.5606,
34.1476

■ 4.2084, 4.5477,
4.0783

■ 45.9442, 48.9258,
48.8650

■ 1.8207, 1.9844,
1.6684

■ 62.8082, 66.8046,
67.2996

■ 0.5301, 0.5984,
0.3389

■ 83.3638, 88.5813,
89.8698

■ 0.0000, 0.0000,
0.0000

107.9762,
114.6404, 116.9943

137.0108,

145.3662, 149.0915

170.8329,
181.1431, 186.5800

■ 13.8472, 14.8334,
14.1899

■ 13.8472, 14.8334,
14.1899

■ 13.3586, 14.6384,
11.6168

■ 14.4059, 15.0574,
17.1287

■ 12.9362, 14.4694,
9.3943

■ 15.0362, 15.3095,
20.4457

■ 12.5776, 14.3259,
7.5073

■ 15.7407, 15.5914,
24.1540

■ 12.2796, 14.2067,
5.9397

■ 16.5218, 15.9039,
28.2659

■ 12.0389, 14.1104,
4.6738

■ 17.3818, 16.2479,
32.7929

■ 11.8517, 14.0355,
3.6901

■ 18.3228, 16.6243,
37.7463

■ 11.7141, 13.9804,
2.9672

■ 19.3468, 17.0340,
43.1368

■ 11.6213, 13.9432,
2.4801

■ 20.4557, 17.4776,
48.9748

■ 11.5598, 13.9186,
2.1576

■ 21.6516, 17.9560,
55.2703

Harmonies

Analogous

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



14.2373, 14.8334, 14.1092



13.8472, 14.8334, 14.1899



13.5301, 14.8334, 14.7818

Triad

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



13.8472, 14.8334, 14.1899



13.6121, 14.8334, 17.8586



14.8572, 14.8334, 16.5499

Complementary

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



13.8472, 14.8334, 14.1899



12.5200, 12.9068, 16.0195

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.



14.6830, 14.8334, 17.6024



13.8472, 14.8334, 14.1899



13.9610, 14.8334, 18.3810

Square

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



13.8472, 14.8334, 14.1899



13.3962, 14.8334, 16.8865



14.3532, 14.8334, 18.2851



14.8254, 14.8334, 15.4372

Rectangle

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



13.8472, 14.8334, 14.1899



13.4006, 14.8334, 15.4026



14.3532, 14.8334, 18.2851



14.8207, 14.8334, 16.9233

Sweetspot

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



13.8476, 14.8340, 14.1902



24.8193, 26.2454, 27.5924



13.0422, 13.2229, 13.9217



6.0113, 6.3541, 6.6994



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.



13.8476, 14.8340, 14.1902



24.1433, 25.9750, 24.0349



13.3723, 14.5890, 14.1680



3.3331, 3.5835, 3.3335



13.7690, 16.5934, 2.4771



70.1577, 84.5498, 12.6220

Inverse Universe

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



12.5200, 12.9068, 16.0195



21.2694, 21.8028, 27.9950



12.9733, 13.1404, 16.0407



2.9485, 3.0252, 3.8634



3.2289, 1.2916, 17.0014



16.4516, 6.5807, 86.6293

Previews

White Background



This preview shows how the XYZ color 13.8472, 14.8334, 14.1899 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 13.8472, 14.8334, 14.1899 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

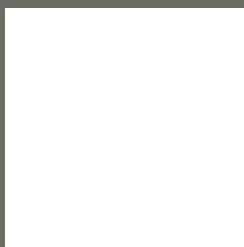
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8472, 14.8334, 14.1899

Background



This preview shows how black text looks on a background with the XYZ color 13.8472, 14.8334, 14.1899.

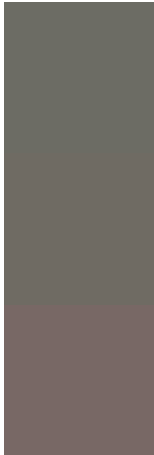


This preview shows how white text looks on a background with the XYZ color 13.8472, 14.8334,

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

13.8472, 14.8334, 14.1899

Protanopia

14.0654, 14.7957, 13.9189

Deuteranopia

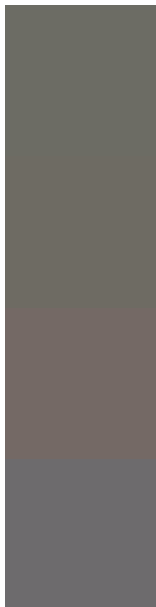
15.0450, 14.8333, 14.3821



Tritanopia

14.6217, 14.8380, 18.0130

Trichromacy



Original Color

13.8472, 14.8334, 14.1899

Protanomaly

13.9402, 14.7312, 13.9131

Deuteranomaly

14.6030, 14.7557, 14.3904

Tritanomaly

14.3247, 14.8707, 16.5833

Monochromacy



Original Color

13.8472, 14.8334, 14.1899

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8198, 14.6407, 15.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8472, 14.8334, 14.1899 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(108, 108, 100)` looks like.

```
.text, #text, p{  
    color:rgb(108, 108, 100)  
}
```

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(108, 108, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 108, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.8472, 14.8334, 14.1899 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(108, 108, 100) }
```


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

```
.border{ border-color:rgb(108, 108, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 108, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 108, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 108, 100);  
box-shadow:4px 4px 4px 4px rgb(108, 108,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8472, 14.8334, 14.1899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 108, 100) }
```

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

```
.background{ background-color: rgb(108,  
108, 100) }
```

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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