

Converting Colors

XYZ(13.4356, 14.4735, 14.8135)

Have a look what the booklet for
XYZ(13.4356, 14.4735, 14.8135)
contains.

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Color

**XYZ(13.4148, 14.4377,
14.9117)**

Conversions

Conversions Part 1

Format	Color
Hex	686B67
RGB	104, 107, 103
RGB Percent	41%, 42%, 40%
CMY	0.5922, 0.5804, 0.5961
CMYK	0.03, 0.00, 0.04, 0.58
HSL	105°, 2%, 41%
HSV	105°, 4%, 42%
XYZ	13.4148, 14.4377, 14.9117
YIQ	105.6470, -0.5040, -1.8800

Conversions

Conversions Part 2

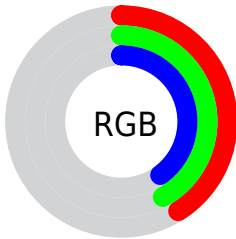
Format	Color
R_{YB}	103, 107, 106
Decimal	6843239
CIE Lab	44.85, -1.98, 1.83
CIE LCh	45, 2.694, 137.190
Yxy	14.4377, 0.3137, 0.3376
Android (android.graphics.Color)	4285033319 (0xFF686B67)
YUV	105.6470, -1.3050, -1.4444
Hunter-Lab	37.9970, -3.4754, 3.3299

Details

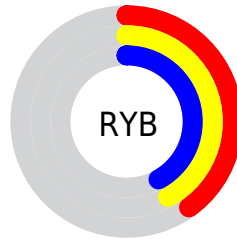
The XYZ color **13.4148, 14.4377, 14.9117** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4485, 13.8266, 15.8706**, and the grayscale version is **13.6070, 14.3156, 15.5897**.

A 20% lighter version of the original color is **31.5772, 33.7554, 35.4230**, and **4.0170, 4.3871, 4.3765** is the 20% darker color. If you saturate the color by 10%, you get **12.0241, 13.7793, 12.2202**, and if you desaturate by 10%, it is **14.9638, 15.1706, 17.9701**.

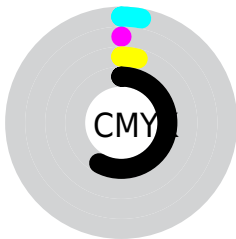
Distribution



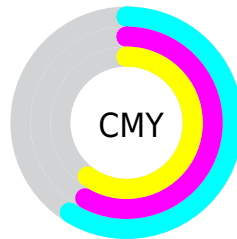
- Red (41%)
- Green (42%)
- Blue (40%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (58%)



- Cyan (59%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4148, 14.4377, 14.9117 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 13.4148, 14.4377, 14.9117 by changing the saturation by 10% instead.

■ 13.4148, 14.4377,
14.9117

■ 13.4148, 14.4377,
14.9117

207.1435,
219.9370, 234.4535

■ 7.7938, 8.4257,
8.6115

■ 31.6420, 33.8637,
35.4383

■ 4.0140, 4.3685,
4.3953

■ 44.9789, 48.0464,
50.5018

■ 1.7100, 1.8818,
1.8446

■ 61.6185, 65.7216,
69.3235

■ 0.4625, 0.5374,
0.4572

■ 81.9260, 87.2736,
92.3219

■ 0.0000, 0.0000,
0.0000

106.2670,
113.0867, 119.9155

135.0066,

143.5454, 152.5230

168.5104,
179.0340, 190.5628

■ 13.4148, 14.4377,
14.9117

■ 13.4148, 14.4377,
14.9117

■ 12.0241, 13.7793,
12.2202

■ 14.9638, 15.1706,
17.9701

■ 10.7854, 13.1912,
9.8809

■ 16.6747, 15.9783,
21.4074

■ 9.6937, 12.6716,
7.8794

■ 18.5525, 16.8635,
25.2364

■ 8.7435, 12.2180,
6.2002

■ 20.6016, 17.8283,
29.4688

■ 7.9288, 11.8275,
4.8264

■ 22.8262, 18.8746,
34.1160

■ 7.2429, 11.4973,
3.7395

■ 25.2305, 20.0043,
39.1888

■ 6.6790, 11.2241,
2.9193

■ 27.8185, 21.2192,
44.6978

■ 6.2292, 11.0046,
2.3426

■ 30.5940, 22.5210,
50.6530

■ 5.8830, 10.8339,
1.9734

■ 33.5606, 23.9115,
57.0641

Harmonies

Analogous

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



13.5980, 14.4377, 14.5917



13.4148, 14.4377, 14.9117



13.3145, 14.4377, 15.4533

Triad

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



13.4148, 14.4377, 14.9117



13.6291, 14.4377, 16.9306



14.1304, 14.4377, 15.3651

Complementary

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



13.4148, 14.4377, 14.9117



13.4485, 13.8266, 15.8706

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.



14.1390, 14.4377, 15.9902



13.4148, 14.4377, 14.9117



13.8479, 14.4377, 16.9054

Square

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



13.4148, 14.4377, 14.9117



13.4373, 14.4377, 16.6252



14.0351, 14.4377, 16.5574



14.0119, 14.4377, 14.8486

Rectangle

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



13.4148, 14.4377, 14.9117



13.3074, 14.4377, 15.8722



14.0351, 14.4377, 16.5574



14.1463, 14.4377, 15.5692

Sweetspot

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



13.4152, 14.4383, 14.9120



24.7443, 26.1950, 28.1197



13.6662, 14.4138, 14.8940



5.9946, 6.3429, 6.8169



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.



13.4152, 14.4383, 14.9120



23.9227, 25.8062, 26.5092



13.3503, 14.3990, 15.1727



3.2857, 3.5525, 3.6298



6.9118, 13.0584, 2.1562



34.5269, 66.1814, 10.9545

Inverse Universe

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



13.4485, 13.8266, 15.8706



23.9880, 24.6044, 28.3925



13.5157, 13.8673, 15.6006



3.2955, 3.3723, 3.9121



7.2520, 3.3656, 17.1897



36.1294, 16.7250, 87.5502

Previews

White Background



This preview shows how the XYZ color 13.4148, 14.4377, 14.9117 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 13.4148, 14.4377, 14.9117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

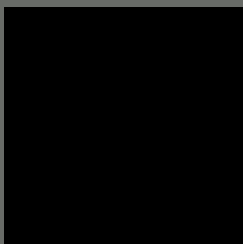
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

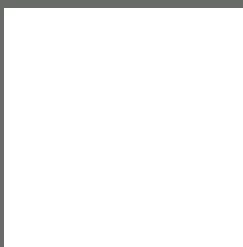
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4148, 14.4377, 14.9117

Background



This preview shows how black text looks on a background with the XYZ color 13.4148, 14.4377, 14.9117.



This preview shows how white text looks on a background with the XYZ color 13.4148, 14.4377,

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

13.4148, 14.4377, 14.9117

Protanopia

13.8590, 14.5186, 14.6423

Deuteranopia

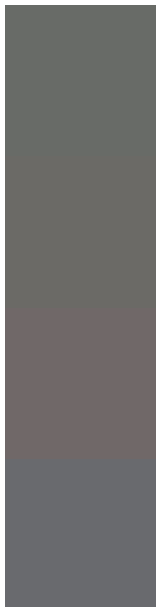
14.6851, 14.4819, 15.1180



Tritanopia

14.0327, 14.3822, 17.9560

Trichromacy



Original Color

13.4148, 14.4377, 14.9117

Protanomaly

13.6157, 14.3932, 14.6309

Deuteranomaly

14.1311, 14.3448, 15.1207

Tritanomaly

13.7942, 14.4371, 16.8115

Monochromacy



Original Color

13.4148, 14.4377, 14.9117

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5295, 14.3312, 15.4177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4148, 14.4377, 14.9117 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(104, 107, 103)` looks like.

```
.text, #text, p{  
    color:rgb(104, 107, 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(104, 107, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 107, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.4148, 14.4377, 14.9117 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(104, 107, 103) }
```


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

```
.border{ border-color:rgb(104, 107, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 107, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 107, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 107, 103);  
box-shadow:4px 4px 4px 4px rgb(104, 107,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4148, 14.4377, 14.9117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 107, 103) }
```

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

```
.background{ background-color: rgb(104,  
107, 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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