

Converting Colors

XYZ(13.8776, 14.5415, 16.2735)

Have a look what the booklet for
XYZ(13.8776, 14.5415, 16.2735)
contains.

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Color

**XYZ(13.8047, 14.4549,
16.2499)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6A6C
RGB	106, 106, 108
RGB Percent	42%, 42%, 42%
CMY	0.5843, 0.5843, 0.5765
CMYK	0.02, 0.02, 0.00, 0.58
HSL	240°, 1%, 42%
HSV	240°, 2%, 42%
XYZ	13.8047, 14.4549, 16.2499
YIQ	106.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

Format	Color
R_{YB}	106, 106, 108
Decimal	6974060
CIE Lab	44.88, 0.42, -1.12
CIE LCh	45, 1.199, 290.400
Yxy	14.4549, 0.3102, 0.3248
Android (android.graphics.Color)	4285164140 (0xFF6A6A6C)
YUV	106.2280, 0.8736, -0.2000
Hunter-Lab	38.0196, -1.7220, 1.2727

Details

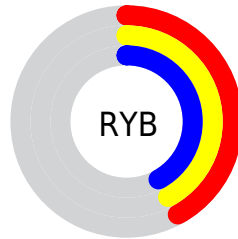
The XYZ color **13.8047, 14.4549, 16.2499** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1486, 14.9540, 15.7767**, and the grayscale version is **13.7603, 14.4769, 15.7653**.

A 20% lighter version of the original color is **32.2196, 33.7852, 37.6239**, and **4.2099, 4.3947, 5.0412** is the 20% darker color. If you saturate the color by 10%, you get **11.5580, 11.7482, 15.8461**, and if you desaturate by 10%, it is **16.3540, 17.5263, 16.7086**.

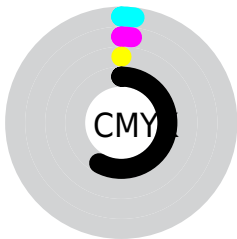
Distribution



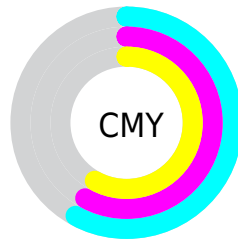
- Red (42%)
- Green (42%)
- Blue (42%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8047, 14.4549, 16.2499 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 13.8047, 14.4549, 16.2499 by changing the saturation by 10% instead.

■ 13.8047, 14.4549,
16.2499

■ 13.8047, 14.4549,
16.2499

209.5475,
220.0427, 242.7077

■ 8.0657, 8.4377,
9.5449

■ 32.3313, 33.8940,
37.8043

■ 4.1892, 4.3763,
4.9966

■ 45.8496, 48.0848,
53.4908

■ 1.8097, 1.8862,
2.1866

■ 62.6917, 65.7688,
73.0082

■ 0.5235, 0.5401,
0.6666

■ 83.2231, 87.3306,
96.7750

■ 0.0000, 0.0000,
0.0000

107.8090,
113.1545, 125.2099

136.8148,

143.6249, 158.7312

170.6058,
179.1262, 197.7577

■ 13.8047, 14.4549,
16.2499

■ 13.8047, 14.4549,
16.2499

■ 11.5580, 11.7482,
15.8461

■ 16.3540, 17.5263,
16.7086

■ 9.6014, 9.3909,
15.4942

■ 19.2152, 20.9734,
17.2231

■ 7.9235, 7.3693,
15.1924

■ 22.3989, 24.8088,
17.7957

■ 6.5117, 5.6682,
14.9385

■ 25.9145, 29.0442,
18.4279

■ 5.3522, 4.2711,
14.7299

■ 29.7715, 33.6906,
19.1214

■ 4.4303, 3.1602,
14.5641

■ 33.9785, 38.7588,
19.8780

■ 3.7294, 2.3156,
14.4380

■ 38.5441, 44.2590,
20.6990

■ 3.2311, 1.7150,
14.3484

■ 43.4767, 50.2011,
21.5859

■ 2.9130, 1.3315,
14.2911

■ 48.7841, 56.5948,
22.5403

Harmonies

Analogous

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



13.7076, 14.4549, 16.2768



13.8047, 14.4549, 16.2499



13.8846, 14.4549, 16.0852

Triad

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



13.8047, 14.4549, 16.2499



13.8593, 14.4549, 15.3270



13.5541, 14.4549, 15.6491

Complementary

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



13.8047, 14.4549, 16.2499



14.1486, 14.9540, 15.7767

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.



13.5943, 14.4549, 15.3976



13.8047, 14.4549, 16.2499



13.7704, 14.4549, 15.2131

Square

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



13.8047, 14.4549, 16.2499



13.9162, 14.4549, 15.5517



13.6734, 14.4549, 15.2388



13.5632, 14.4549, 15.9277

Rectangle

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



13.8047, 14.4549, 16.2499



13.9171, 14.4549, 15.9206



13.6734, 14.4549, 15.2388



13.5623, 14.4549, 15.5587

Sweetspot

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



13.8051, 14.4555, 16.2502



24.5847, 25.7980, 28.5915



14.0117, 14.8716, 16.3103



5.9591, 6.2545, 6.9219



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.



13.8051, 14.4555, 16.2502



24.1510, 25.2754, 28.5134



13.9205, 14.5149, 16.2556



3.3458, 3.5040, 3.9349



3.2291, 1.2926, 17.0015



16.4521, 6.5828, 86.6297

Inverse Universe

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



13.9403, 14.5372, 15.7075



24.4139, 25.4343, 27.4577



14.0318, 14.8939, 15.7713



3.3775, 3.5231, 3.8077



7.3768, 3.8028, 0.3467



37.5871, 19.3768, 1.7622

Previews

White Background



This preview shows how the XYZ color 13.8047, 14.4549, 16.2499 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 13.8047, 14.4549, 16.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

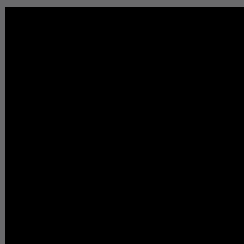
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

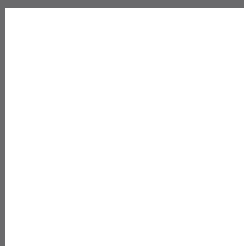
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8047, 14.4549, 16.2499

Background



This preview shows how black text looks on a background with the XYZ color 13.8047, 14.4549, 16.2499.



This preview shows how white text looks on a background with the XYZ color 13.8047, 14.4549,

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

13.8047, 14.4549, 16.2499

Protanopia

13.9242, 14.5166, 16.2555

Deuteranopia

14.6808, 14.4495, 16.4833



Tritanopia

14.0956, 14.4212, 17.6634

Trichromacy



Original Color

13.8047, 14.4549, 16.2499

Protanomaly

13.9242, 14.5166, 16.2555

Deuteranomaly

14.3927, 14.4495, 16.4985

Tritanomaly

13.9842, 14.3766, 17.0768

Monochromacy



Original Color

13.8047, 14.4549, 16.2499

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7517, 14.4338, 15.9711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8047, 14.4549, 16.2499 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, 106, 108)` looks like.

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

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, 106, 108) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 13.8047, 14.4549, 16.2499 is called "border". The border property can be set on classes, ids or directly on the HTML element.

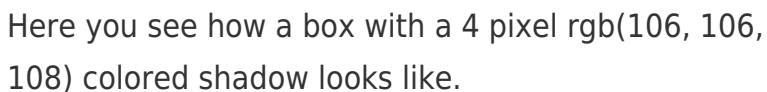
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 106, 108) }
```


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

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

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



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

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

Background

The CSS property to change the background color of an element to XYZ 13.8047, 14.4549, 16.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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