

Converting Colors

XYZ(13.4310, 16.0455, 17.7884)

Have a look what the booklet for
XYZ(13.4310, 16.0455, 17.7884)
contains.

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Color

**XYZ(13.4057, 16.0163,
17.7141)**

Conversions

Conversions Part 1

Format	Color
Hex	597570
RGB	89, 117, 112
RGB Percent	35%, 46%, 44%
CMY	0.6510, 0.5412, 0.5608
CMYK	0.24, 0.00, 0.04, 0.54
HSL	169°, 14%, 40%
HSV	169°, 24%, 46%
XYZ	13.4057, 16.0163, 17.7141
YIQ	108.0580, -15.0830, -7.4910

Conversions

Conversions Part 2

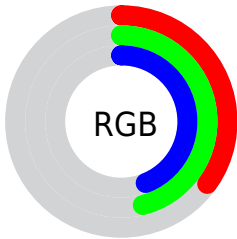
Format	Color
R _Y B	89, 104, 117
Decimal	5862768
CIE Lab	47.00, -11.27, -0.57
CIE LCh	47, 11.280, 182.887
Yxy	16.0163, 0.2844, 0.3398
Android (android.graphics.Color)	4284052848 (0xFF597570)
YUV	108.0580, 1.9434, -16.7139
Hunter-Lab	40.0204, -10.2432, 1.7709

Details

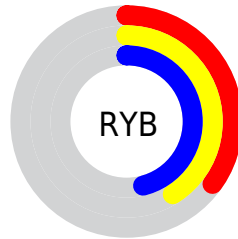
The XYZ color **13.4057, 16.0163, 17.7141** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9294, 11.7351, 12.1739**, and the grayscale version is **14.2682, 15.0113, 16.3473**.

A 20% lighter version of the original color is **31.7040, 36.6317, 40.5216**, and **4.0084, 5.1186, 5.6272** is the 20% darker color. If you saturate the color by 10%, you get **12.2561, 15.4374, 17.0601**, and if you desaturate by 10%, it is **14.7374, 16.6896, 18.3914**.

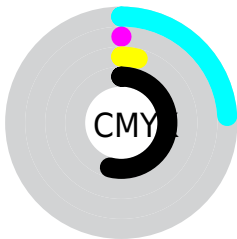
Distribution



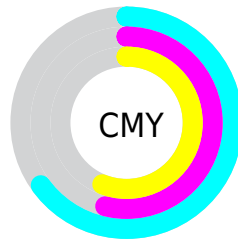
- Red (35%)
- Green (46%)
- Blue (44%)



- Red (35%)
- Yellow (41%)
- Blue (46%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (54%)



- Cyan (65%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4057, 16.0163, 17.7141 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 13.4057, 16.0163, 17.7141 by changing the saturation by 10% instead.

■ 13.4057, 16.0163,
17.7141

■ 13.4057, 16.0163,
17.7141

207.0871,
229.4379, 251.4364

■ 7.7874, 9.5357,
10.5776

■ 31.6259, 36.6265,
40.3569

■ 4.0099, 5.0922,
5.6730

■ 44.9585, 51.5249,
56.7003

■ 1.7077, 2.3015,
2.5817

■ 61.5933, 69.9980,
76.9497

■ 0.4611, 0.7745,
0.8830

■ 81.8956, 92.4302,
101.5237

■ 0.0000, 0.0000,
0.0000

■ 106.2308,
119.2059, 130.8408

134.9642,

150.7094, 165.3196

168.4612,
187.3253, 205.3786

■ 13.4057, 16.0163,
17.7141

■ 13.4057, 16.0163,
17.7141

■ 12.2561, 15.4374,
17.0601

■ 14.7374, 16.6896,
18.3914

■ 11.2788, 14.9465,
16.4279

■ 16.2578, 17.4595,
19.0913

■ 10.4651, 14.5397,
15.8173

■ 17.9746, 18.3303,
19.8148

■ 9.8051, 14.2119,
15.2276

■ 19.8949, 19.3057,
20.5621

■ 9.2878, 13.9572,
14.6584

■ 22.0253, 20.3891,
21.3337

■ 8.9005, 13.7693,
14.1089

■ 24.3722, 21.5838,
22.1301

■ 8.6255, 13.6390,
13.5781

■ 26.9417, 22.8929,
22.9515

■ 8.4777, 13.5696,
13.2636

■ 29.7396, 24.3194,
23.7983

■ 32.7715, 25.8662,
24.6709

Harmonies

Analogous

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



13.5959, 16.0163, 15.0780



13.4057, 16.0163, 17.7141



13.6847, 16.0163, 20.5589

Triad

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



13.4057, 16.0163, 17.7141



16.2766, 16.0163, 22.4114



16.1042, 16.0163, 13.0359

Complementary

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



13.4057, 16.0163, 17.7141



12.9294, 11.7351, 12.1739

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.



16.8724, 16.0163, 14.6520



13.4057, 16.0163, 17.7141



16.9750, 16.0163, 20.0345

Square

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



13.4057, 16.0163, 17.7141



15.3188, 16.0163, 23.4481



17.1976, 16.0163, 17.1668



15.1277, 16.0163, 12.5558

Rectangle

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



13.4057, 16.0163, 17.7141



14.1067, 16.0163, 22.1408



17.1976, 16.0163, 17.1668



16.3967, 16.0163, 13.4550

Sweetspot

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



13.4062, 16.0170, 17.7145



28.1894, 30.7961, 33.7737



12.7947, 15.8313, 11.8327



6.4563, 7.0679, 7.7538



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.4062, 16.0170, 17.7145



22.7690, 28.0569, 31.0336



12.7078, 14.1620, 18.8942



3.7566, 4.1446, 4.5521



9.3350, 14.9480, 14.5863



45.2055, 72.7295, 69.5786

Inverse Universe

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



12.9294, 11.7351, 12.1739



21.7509, 18.9047, 19.1956



13.4950, 13.2140, 11.2906



3.7082, 3.7106, 3.9902



8.2263, 4.2242, 1.1340



39.8552, 20.4922, 4.3011

Previews

White Background



This preview shows how the XYZ color 13.4057, 16.0163, 17.7141 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 13.4057, 16.0163, 17.7141 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 13.4057, 16.0163, 17.7141

Background



This preview shows how black text looks on a background with the XYZ color 13.4057, 16.0163, 17.7141.



This preview shows how white text looks on a background with the XYZ color 13.4057, 16.0163,

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

13.4057, 16.0163, 17.7141

Protanopia

15.3306, 16.0290, 16.4733

Deuteranopia

16.2850, 16.0050, 18.1505



Tritanopia

14.1825, 15.9920, 21.4081

Trichromacy



Original Color

13.4057, 16.0163, 17.7141

Protanomaly

14.4911, 15.9176, 16.7766

Deuteranomaly

14.9718, 15.8123, 17.8858

Tritanomaly

13.9499, 16.0710, 20.1361

Monochromacy



Original Color

13.4057, 16.0163, 17.7141

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8116, 15.2397, 16.6816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4057, 16.0163, 17.7141 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(89, 117, 112) looks like.

```
.text, #text, p{  
    color:rgb(89, 117, 112)  
}
```

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(89, 117, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 117, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.4057, 16.0163, 17.7141 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(89, 117, 112) }
```


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

```
.border{ border-color:rgb(89, 117, 112) }
```

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

Here you see how a box with a 4 pixel rgb(89, 117, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 117, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 117, 112);  
box-shadow:4px 4px 4px 4px rgb(89, 117,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4057, 16.0163, 17.7141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 117, 112) }
```

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

```
.background{ background-color: rgb(89, 117,  
112) }
```

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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