

Converting Colors

XYZ(13.3008, 16.1340, 17.2711)

Have a look what the booklet for
XYZ(13.3008, 16.1340, 17.2711)
contains.

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Color

**XYZ(13.3174, 16.1574,
17.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	58766E
RGB	88, 118, 110
RGB Percent	35%, 46%, 43%
CMY	0.6549, 0.5372, 0.5686
CMYK	0.25, 0.00, 0.07, 0.54
HSL	164°, 15%, 40%
HSV	164°, 25%, 46%
XYZ	13.3174, 16.1574, 17.1686
YIQ	108.1180, -15.3120, -8.8480

Conversions

Conversions Part 2

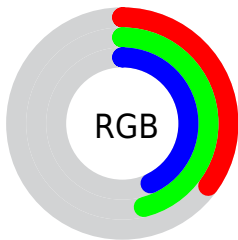
Format	Color
R_{YB}	88, 105, 118
Decimal	5797486
CIE _{Lab}	47.18, -12.63, 0.88
CIE _{LCh}	47, 12.665, 176.005
Yxy	16.1574, 0.2855, 0.3464
Android (android.graphics.Color)	4283987566 (0xFF58766E)
YUV	108.1180, 0.9278, -17.6435
Hunter-Lab	40.1963, -11.2047, 2.8135

Details

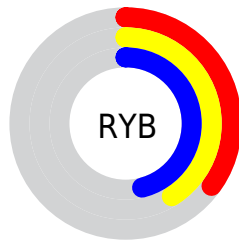
The XYZ color **13.3174, 16.1574, 17.1686** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0728, 11.6759, 12.6317**, and the grayscale version is **14.2879, 15.0320, 16.3698**.

A 20% lighter version of the original color is **31.5438, 36.8471, 39.6321**, and **4.0018, 5.2106, 5.4975** is the 20% darker color. If you saturate the color by 10%, you get **12.1213, 15.5607, 16.2342**, and if you desaturate by 10%, it is **14.7013, 16.8511, 18.1443**.

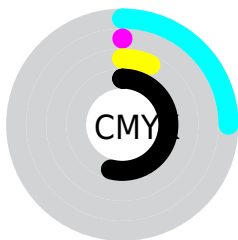
Distribution



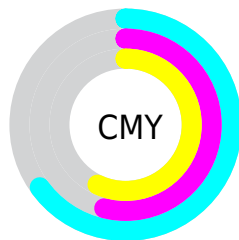
- Red (35%)
- Green (46%)
- Blue (43%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (54%)



- Cyan (65%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3174, 16.1574, 17.1686 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 13.3174, 16.1574, 17.1686 by changing the saturation by 10% instead.

■ 13.3174, 16.1574,
17.1686

■ 13.3174, 16.1574,
17.1686

206.5387,
230.2687, 248.2189

■ 7.7260, 9.6356,
10.1915

■ 31.4693, 36.8712,
39.4100

■ 3.9704, 5.1580,
5.4189

■ 44.7605, 51.8321,
55.5115

■ 1.6854, 2.3403,
2.4321

■ 61.3491, 70.3747,
75.4915

■ 0.4471, 0.7949,
0.8038

■ 81.6002, 92.8835,
99.7687

■ 0.0000, 0.0000,
0.0000

■ 105.8794,
119.7430, 128.7614

134.5520,

151.3374, 162.8883

167.9833,
188.0512, 202.5680

■ 13.3174, 16.1574,
17.1686

■ 13.3174, 16.1574,
17.1686

■ 12.1213, 15.5607,
16.2342

■ 14.7013, 16.8511,
18.1443

■ 11.1030, 15.0545,
15.3392

■ 16.2798, 17.6440,
19.1608

■ 10.2534, 14.6346,
14.4832

■ 18.0612, 18.5407,
20.2193

■ 9.5622, 14.2956,
13.6655

■ 20.0525, 19.5450,
21.3203

■ 9.0177, 14.0316,
12.8850

■ 22.2607, 20.6603,
22.4645

■ 8.6069, 13.8359,
12.1409

■ 24.6925, 21.8902,
23.6525

■ 8.3065, 13.6964,
11.4318

■ 27.3540, 23.2377,
24.8849

■ 8.1799, 13.6380,
11.1176

■ 30.2513, 24.7061,
26.1622

■ 33.3903, 26.2982,
27.4851

Harmonies

Analogous

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



13.6484, 16.1574, 14.3800



13.3174, 16.1574, 17.1686



13.5109, 16.1574, 20.4225

Triad

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



13.3174, 16.1574, 17.1686



16.3158, 16.1574, 23.7039



16.5865, 16.1574, 12.9799

Complementary

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



13.3174, 16.1574, 17.1686



13.0728, 11.6759, 12.6317

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.



17.3644, 16.1574, 15.0371



13.3174, 16.1574, 17.1686



17.2029, 16.1574, 21.2514

Square

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



13.3174, 16.1574, 17.1686



15.2083, 16.1574, 24.4512



17.5952, 16.1574, 18.0236



15.5069, 16.1574, 12.1540

Rectangle

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



13.3174, 16.1574, 17.1686



13.9165, 16.1574, 22.3865



17.5952, 16.1574, 18.0236



16.8939, 16.1574, 13.5373

Sweetspot

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



13.3179, 16.1581, 17.1690



27.8187, 30.6177, 33.1862



13.1170, 16.1762, 11.6637



6.3142, 6.9984, 7.5781



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.



13.3179, 16.1581, 17.1690



22.0436, 27.7241, 29.1358



13.0342, 14.8616, 19.3220



3.7436, 4.1394, 4.4838



8.8438, 14.7515, 11.9993



42.7276, 71.7383, 56.5300

Inverse Universe

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



13.0728, 11.6759, 12.6317



21.5298, 18.3052, 19.6068



13.2805, 12.6512, 10.9747



3.7204, 3.7154, 4.0543



8.3524, 4.2747, 1.7979



40.3912, 20.7066, 7.1236

Previews

White Background



This preview shows how the XYZ color 13.3174, 16.1574, 17.1686 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 13.3174, 16.1574, 17.1686 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

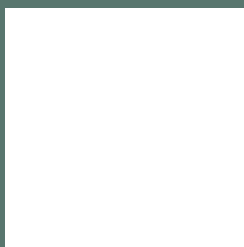
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3174, 16.1574, 17.1686

Background



This preview shows how black text looks on a background with the XYZ color 13.3174, 16.1574, 17.1686.



This preview shows how white text looks on a background with the XYZ color 13.3174, 16.1574,

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

13.3174, 16.1574, 17.1686

Protanopia

15.3562, 16.0543, 15.9251

Deuteranopia

16.3132, 16.0326, 17.5640



Tritanopia

14.2614, 16.1956, 21.7764

Trichromacy



Original Color

13.3174, 16.1574, 17.1686

Protanomaly

14.4969, 16.0994, 16.2534

Deuteranomaly

15.0938, 16.0510, 17.3416

Tritanomaly

13.9679, 16.2523, 20.1701

Monochromacy



Original Color

13.3174, 16.1574, 17.1686

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.9213, 15.4592, 16.7182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3174, 16.1574, 17.1686 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(88, 118, 110)` looks like.

```
.text, #text, p{  
    color:rgb(88, 118, 110)  
}
```

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(88, 118, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 118, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.3174, 16.1574, 17.1686 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(88, 118, 110) }
```


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

```
.border{ border-color:rgb(88, 118, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 118, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 118, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 118, 110);  
box-shadow:4px 4px 4px 4px rgb(88, 118,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3174, 16.1574, 17.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 118, 110) }
```

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

```
.background{ background-color: rgb(88, 118,  
110) }
```

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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