

Converting Colors

XYZ(13.3320, 16.5119, 17.5234)

Have a look what the booklet for
XYZ(13.3320, 16.5119, 17.5234)
contains.

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Color

**XYZ(13.3320, 16.5119,
17.5234)**

Conversions

Conversions Part 1

Format	Color
Hex	55786F
RGB	85, 120, 111
RGB Percent	33%, 47%, 44%
CMY	0.6667, 0.5294, 0.5647
CMYK	0.29, 0.00, 0.08, 0.53
HSL	165°, 17%, 40%
HSV	165°, 29%, 47%
XYZ	13.3320, 16.5119, 17.5234
YIQ	108.5090, -17.9710, -10.2190

Conversions

Conversions Part 2

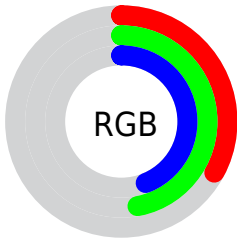
Format	Color
R_{YB}	85, 105, 120
Decimal	5601391
CIE Lab	47.64, -14.52, 0.93
CIE LCh	48, 14.546, 176.318
Yxy	16.5119, 0.2815, 0.3486
Android (android.graphics.Color)	4283791471 (0xFF55786F)
YUV	108.5090, 1.2281, -20.6174
Hunter-Lab	40.6348, -12.5464, 2.8761

Details

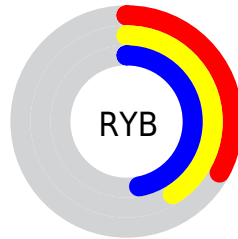
The XYZ color **13.3320, 16.5119, 17.5234** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0151, 11.2986, 12.0851**, and the grayscale version is **14.3976, 15.1474, 16.4955**.

A 20% lighter version of the original color is **31.5167, 37.3836, 40.2050**, and **3.9498, 5.2774, 5.5131** is the 20% darker color. If you saturate the color by 10%, you get **12.1667, 15.9309, 16.5973**, and if you desaturate by 10%, it is **14.6889, 17.1919, 18.4898**.

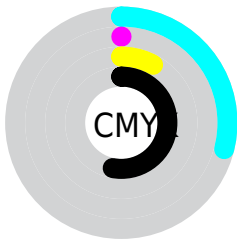
Distribution



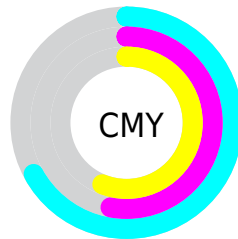
- Red (33%)
- Green (47%)
- Blue (44%)



- Red (33%)
- Yellow (41%)
- Blue (47%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3320, 16.5119, 17.5234 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 13.3320, 16.5119, 17.5234 by changing the saturation by 10% instead.

■ 13.3320, 16.5119,
17.5234

■ 13.3320, 16.5119,
17.5234

206.6295,
232.3437, 250.3160

■ 7.7361, 9.8871,
10.4425

■ 31.4952, 37.4846,
40.0264

■ 3.9770, 5.3242,
5.5839

■ 44.7933, 52.6014,
56.2856

■ 1.6891, 2.4387,
2.5291

■ 61.3895, 71.3175,
76.4413

■ 0.4494, 0.8457,
0.8555

■ 81.6491, 94.0175,
100.9120

■ 0.0000, 0.0000,
0.0000

■ 105.9376,
121.0857, 130.1163

134.6202,

152.9066, 164.4727

168.0624,
189.8644, 204.3998

■ 13.3320, 16.5119,
17.5234

■ 13.3320, 16.5119,
17.5234

■ 12.1667, 15.9309,
16.5973

■ 14.6889, 17.1919,
18.4898

■ 11.1823, 15.4420,
15.7098

■ 16.2447, 17.9733,
19.4961

■ 10.3689, 15.0407,
14.8602

■ 18.0081, 18.8610,
20.5433

■ 9.7155, 14.7211,
14.0479

■ 19.9868, 19.8590,
21.6322

■ 9.2092, 14.4768,
13.2718

■ 22.1880, 20.9710,
22.7634

■ 8.8357, 14.3003,
12.5311

■ 24.6188, 22.2006,
23.9374

■ 8.5492, 14.1679,
11.8232

■ 27.2858, 23.5514,
25.1548

■ 8.5259, 14.1572,
11.7655

■ 30.1954, 25.0264,
26.4163

■ 33.3538, 26.6289,
27.7224

Harmonies

Analogous

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



13.7068, 16.5119, 14.2976



13.3320, 16.5119, 17.5234



13.5608, 16.5119, 21.3389

Triad

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



13.3320, 16.5119, 17.5234



16.8273, 16.5119, 25.1798



17.1198, 16.5119, 12.6608

Complementary

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



13.3320, 16.5119, 17.5234



13.0151, 11.2986, 12.0851

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.



18.0401, 16.5119, 14.9911



13.3320, 16.5119, 17.5234



17.8647, 16.5119, 22.2429

Square

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



13.3320, 16.5119, 17.5234



15.5343, 16.5119, 26.1001



18.3198, 16.5119, 18.4417



15.8549, 16.5119, 11.7453

Rectangle

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



13.3320, 16.5119, 17.5234



14.0321, 16.5119, 23.6614



18.3198, 16.5119, 18.4417



17.4824, 16.5119, 13.2874

Sweetspot

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



13.3325, 16.5126, 17.5238



28.5548, 31.6026, 34.2791



13.0070, 16.4868, 11.0913



6.6840, 7.4477, 8.0720



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.3325, 16.5126, 17.5238



22.0406, 28.3386, 29.7222



12.9127, 14.8395, 19.9538



4.0651, 4.4957, 4.8768



9.2949, 15.4416, 12.8040



43.9781, 73.5143, 59.1819

Inverse Universe

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



13.0151, 11.2986, 12.0851



21.3883, 17.5917, 18.5207



13.3149, 12.5074, 10.3070



4.0367, 4.0304, 4.3910



8.7127, 4.4612, 1.7779



41.2600, 21.1603, 6.8990

Previews

White Background



This preview shows how the XYZ color 13.3320, 16.5119, 17.5234 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 13.3320, 16.5119, 17.5234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

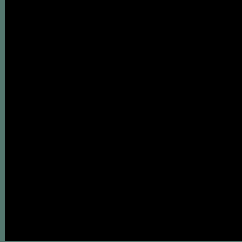
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3320, 16.5119, 17.5234

Background



This preview shows how black text looks on a background with the XYZ color 13.3320, 16.5119, 17.5234.



This preview shows how white text looks on a background with the XYZ color 13.3320, 16.5119,

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

13.3320, 16.5119, 17.5234

Protanopia

15.6505, 16.3629, 16.2434

Deuteranopia

16.6177, 16.3405, 17.9010



Tritanopia

14.3337, 16.5639, 22.5204

Trichromacy



Original Color

13.3320, 16.5119, 17.5234

Protanomaly

14.6632, 16.3474, 16.5699

Deuteranomaly

15.1364, 16.2313, 17.6644

Tritanomaly

13.9785, 16.6004, 20.5566

Monochromacy



Original Color

13.3320, 16.5119, 17.5234

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9751, 15.6454, 17.0351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3320, 16.5119, 17.5234 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(85, 120, 111)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 111)  
}
```

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(85, 120, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 111) }
```

Border

The CSS property to change the border of an element to XYZ 13.3320, 16.5119, 17.5234 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(85, 120, 111) }
```


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

```
.border{ border-color:rgb(85, 120, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 120, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 111);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3320, 16.5119, 17.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 111) }
```

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

```
.background{ background-color: rgb(85, 120,  
111) }
```

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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