

Converting Colors

XYZ(13.9602, 16.3137, 17.2241)

Have a look what the booklet for
XYZ(13.9602, 16.3137, 17.2241)
contains.

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Color

**XYZ(13.9996, 16.3352,
17.1670)**

Conversions

Conversions Part 1

Format	Color
Hex	60756E
RGB	96, 117, 110
RGB Percent	38%, 46%, 43%
CMY	0.6235, 0.5412, 0.5686
CMYK	0.18, 0.00, 0.06, 0.54
HSL	160°, 10%, 42%
HSV	160°, 18%, 46%
XYZ	13.9996, 16.3352, 17.1670
YIQ	109.9230, -10.2690, -6.6290

Conversions

Conversions Part 2

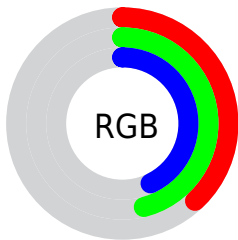
Format	Color
RYB	96, 109, 117
Decimal	6321518
CIELab	47.41, -9.27, 1.28
CIElCh	47, 9.357, 172.114
Yxy	16.3352, 0.2947, 0.3439
Android (android.graphics.Color)	4284511598 (0xFF60756E)
YUV	109.9230, 0.0380, -12.2105
Hunter-Lab	40.4168, -8.9005, 3.1084

Details

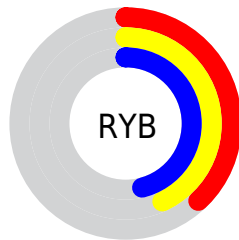
The XYZ color **13.9996, 16.3352, 17.1670** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9677, 13.1272, 14.6302**, and the grayscale version is **14.8013, 15.5721, 16.9580**.

A 20% lighter version of the original color is **32.7422, 37.1876, 39.6346**, and **4.2919, 5.2681, 5.4933** is the 20% darker color. If you saturate the color by 10%, you get **12.6514, 15.6646, 16.0198**, and if you desaturate by 10%, it is **15.5413, 17.1053, 18.3728**.

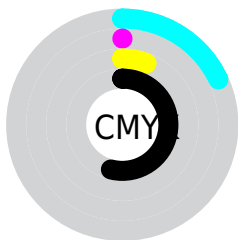
Distribution



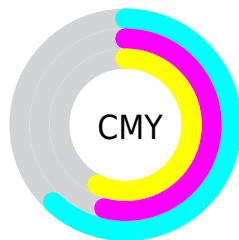
- Red (38%)
- Green (46%)
- Blue (43%)



- Red (38%)
- Yellow (43%)
- Blue (46%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (54%)



- Cyan (62%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9996, 16.3352, 17.1670 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 13.9996, 16.3352, 17.1670 by changing the saturation by 10% instead.

■ 13.9996, 16.3352,
17.1670

■ 13.9996, 16.3352,
17.1670

210.7390,
231.3116, 248.2094

■ 8.2021, 9.7617,
10.1904

■ 32.6746, 37.1792,
39.4073

■ 4.2774, 5.2412,
5.4181

■ 46.2828, 52.2184,
55.5080

■ 1.8602, 2.3895,
2.4316

■ 63.2252, 70.8482,
75.4872

■ 0.5536, 0.8205,
0.8036

■ 83.8673, 93.4532,
99.7635

■ 0.0000, 0.0000,
0.0000

108.5744,
120.4176, 128.7553

137.7118,

152.1259, 162.8812

171.6449,
188.9624, 202.5597

■ 13.9996, 16.3352,
17.1670

■ 13.9996, 16.3352,
17.1670

■ 12.6514, 15.6646,
16.0198

■ 15.5413, 17.1053,
18.3728

■ 11.4872, 15.0874,
14.9290

■ 17.2828, 17.9769,
19.6370

■ 10.4987, 14.5997,
13.8940

■ 19.2319, 18.9544,
20.9610

■ 9.6762, 14.1965,
12.9137

■ 21.3954, 20.0413,
22.3456

■ 9.0093, 13.8725,
11.9870

■ 23.7799, 21.2411,
23.7918

■ 8.4864, 13.6218,
11.1126

■ 26.3916, 22.5568,
25.3003

■ 8.0939, 13.4372,
10.2892

■ 29.2367, 23.9916,
26.8721

■ 7.7955, 13.3003,
9.5144

■ 32.3209, 25.5486,
28.5080

■ 7.7366, 13.2732,
9.3611

■ 35.6497, 27.2305,
30.2087

Harmonies

Analogous

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



14.3013, 16.3352, 15.1267



13.9996, 16.3352, 17.1670



14.0952, 16.3352, 19.5613

Triad

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



13.9996, 16.3352, 17.1670



16.1341, 16.3352, 22.3613



16.5261, 16.3352, 14.4201

Complementary

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



13.9996, 16.3352, 17.1670



13.9677, 13.1272, 14.6302

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.



17.0507, 16.3352, 16.1219



13.9996, 16.3352, 17.1670



16.8189, 16.3352, 20.7406

Square

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



13.9996, 16.3352, 17.1670



15.3084, 16.3352, 22.7041



17.1598, 16.3352, 18.4202



15.7459, 16.3352, 13.6354

Rectangle

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



13.9996, 16.3352, 17.1670



14.3730, 16.3352, 21.0278



17.1598, 16.3352, 18.4202



16.7393, 16.3352, 14.8962

Sweetspot

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



14.0001, 16.3359, 17.1674



28.6714, 31.0506, 33.5265



14.1069, 16.4722, 13.5024



6.5538, 7.1199, 7.6800



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.



14.0001, 16.3359, 17.1674



23.9116, 28.6748, 29.7785



14.0357, 15.7726, 19.1352



3.7339, 4.1355, 4.4325



8.5163, 14.6205, 10.2749



41.0914, 71.0838, 47.9137

Inverse Universe

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



13.9677, 13.1272, 14.6302



23.8413, 21.6739, 24.2443



13.9240, 13.5789, 12.9535



3.7297, 3.7191, 4.1032



8.4797, 4.3256, 2.4682



40.9620, 20.9349, 10.1292

Previews

White Background



This preview shows how the XYZ color 13.9996, 16.3352, 17.1670 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 13.9996, 16.3352, 17.1670 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 13.9996, 16.3352, 17.1670

Background



This preview shows how black text looks on a background with the XYZ color 13.9996, 16.3352, 17.1670.



This preview shows how white text looks on a background with the XYZ color 13.9996, 16.3352,

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

13.9996, 16.3352, 17.1670

Protanopia

15.5182, 16.2947, 16.2372

Deuteranopia

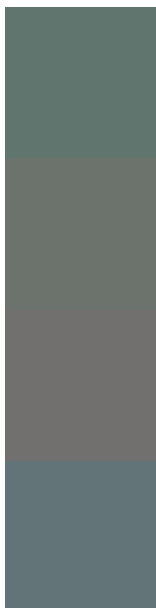
16.5616, 16.3181, 17.6060



Tritanopia

14.9144, 16.3694, 21.4423

Trichromacy



Original Color

13.9996, 16.3352, 17.1670

Protanomaly

14.9084, 16.3055, 16.5489

Deuteranomaly

15.4735, 16.2467, 17.3593

Tritanomaly

14.6122, 16.4194, 19.8519

Monochromacy



Original Color

13.9996, 16.3352, 17.1670

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.5453, 15.9393, 17.0618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9996, 16.3352, 17.1670 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(96, 117, 110) looks like.

```
.text, #text, p{  
    color:rgb(96, 117, 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(96, 117, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 117, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.9996, 16.3352, 17.1670 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(96, 117, 110) }
```


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

```
.border{ border-color:rgb(96, 117, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 117, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 117, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 117, 110);  
box-shadow:4px 4px 4px 4px rgb(96, 117,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9996, 16.3352, 17.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 117, 110) }
```

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

```
.background{ background-color: rgb(96, 117,  
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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