

Converting Colors

XYZ(16.0234, 19.6141, 16.3670)

Have a look what the booklet for
XYZ(16.0234, 19.6141, 16.3670)
contains.

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Color

**XYZ(15.9936, 19.6040,
16.3056)**

Conversions

Conversions Part 1

Format	Color
Hex	678169
RGB	103, 129, 105
RGB Percent	40%, 51%, 41%
CMY	0.5961, 0.4941, 0.5882
CMYK	0.20, 0.00, 0.19, 0.49
HSL	125°, 11%, 45%
HSV	125°, 20%, 51%
XYZ	15.9936, 19.6040, 16.3056
YIQ	118.4900, -7.7920, -12.9760

Conversions

Conversions Part 2

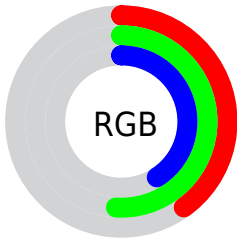
Format	Color
R_{YB}	103, 127, 129
Decimal	6783337
CIE _{Lab}	51.39, -14.42, 9.98
CIE _{LCh}	51, 17.533, 145.321
Yxy	19.6040, 0.3081, 0.3777
Android (android.graphics.Color)	4284973417 (0xFF678169)
YUV	118.4900, -6.6506, -13.5847
Hunter-Lab	44.2764, -13.0056, 9.1589

Details

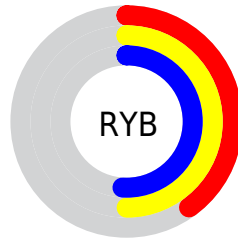
The XYZ color **15.9936, 19.6040, 16.3056** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7350, 15.9004, 22.2140**, and the grayscale version is **17.3961, 18.3021, 19.9310**.

A 20% lighter version of the original color is **36.0551, 42.7262, 37.7992**, and **5.2079, 6.8550, 5.0517** is the 20% darker color. If you saturate the color by 10%, you get **14.0568, 18.6719, 13.2407**, and if you desaturate by 10%, it is **18.2455, 20.6897, 19.8335**.

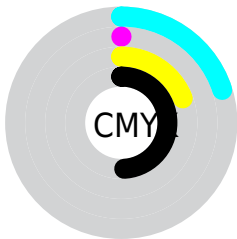
Distribution



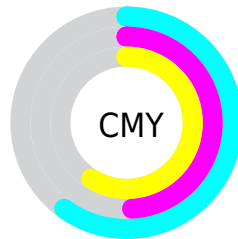
- Red (40%)
- Green (51%)
- Blue (41%)



- Red (40%)
- Yellow (50%)
- Blue (51%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (49%)



- Cyan (60%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9936, 19.6040, 16.3056 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 15.9936, 19.6040, 16.3056 by changing the saturation by 10% instead.

■ 15.9936, 19.6040,
16.3056

■ 15.9936, 19.6040,
16.3056

222.5751,
249.7632, 243.0453

■ 9.6104, 12.1075,
9.5840

■ 36.1446, 42.7523,
37.9021

■ 5.2017, 6.8169,
5.0220

■ 50.6432, 59.1728,
53.6140

■ 2.4021, 3.3479,
2.2012

■ 68.5776, 79.3369,
73.1598

■ 0.8461, 1.3159,
0.6751

■ 90.3133, 103.6288,
96.9579

■ 0.0000, 0.1535,
0.0000

116.2155,
132.4330, 125.4270

■ 0.0000, 0.0000,
0.0000

146.6496,

166.1339, 158.9856

181.9810,
205.1158, 198.0522

■ 15.9936, 19.6040,
16.3056

■ 15.9936, 19.6040,
16.3056

■ 14.0568, 18.6719,
13.2407

■ 18.2455, 20.6897,
19.8335

■ 12.4196, 17.8843,
10.6185

■ 20.8241, 21.9330,
23.8411

■ 11.0674, 17.2345,
8.4187

■ 23.7422, 23.3406,
28.3460

■ 9.9839, 16.7146,
6.6194

■ 27.0115, 24.9183,
33.3644

■ 9.1511, 16.3159,
5.1964

■ 30.6432, 26.6715,
38.9117

■ 8.5488, 16.0286,
4.1231

■ 34.6479, 28.6054,
45.0029

■ 8.1536, 15.8411,
3.3691

■ 39.0359, 30.7248,
51.6520

■ 7.9050, 15.7230,
2.9032

■ 43.8170, 33.0347,
58.8730

■ 49.0007, 35.5396,
66.6790

Harmonies

Analogous

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



17.2268, 19.6040, 13.7475



15.9936, 19.6040, 16.3056



15.4682, 19.6040, 20.5668

Triad

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



15.9936, 19.6040, 16.3056



18.3591, 19.6040, 32.4983



21.8526, 19.6040, 17.4733

Complementary

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



15.9936, 19.6040, 16.3056



17.7350, 15.9004, 22.2140

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.



22.2025, 19.6040, 22.1434



15.9936, 19.6040, 16.3056



20.1138, 19.6040, 31.3265

Square

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



15.9936, 19.6040, 16.3056



16.7783, 19.6040, 30.3195



21.5479, 19.6040, 27.3295



20.6196, 19.6040, 14.3438

Rectangle

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



15.9936, 19.6040, 16.3056



15.5644, 19.6040, 24.0021



21.5479, 19.6040, 27.3295



22.0805, 19.6040, 18.8924

Sweetspot

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



15.9941, 19.6048, 16.3060



34.4546, 37.9082, 38.2923



19.0914, 21.2133, 15.9206



7.7460, 8.5550, 8.5854



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.9941, 19.6048, 16.3060



27.0441, 34.3373, 26.6805



16.6986, 19.8866, 20.0156



4.2884, 4.8237, 4.6901



7.7078, 15.3297, 2.8343



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.7350, 15.9004, 22.2140



30.7287, 26.4958, 39.1841



16.9566, 15.5891, 18.1151



4.4843, 4.4069, 5.3550



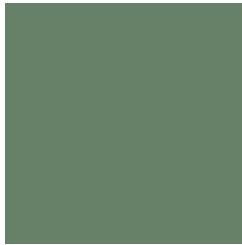
12.0788, 5.8512, 17.5367



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.9936, 19.6040, 16.3056 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9936, 19.6040, 16.3056 looks on a black 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

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

XYZ 15.9936, 19.6040, 16.3056

Background



This preview shows how black text looks on a background with the XYZ color 15.9936, 19.6040, 16.3056.



This preview shows how white text looks on a background with the XYZ color 15.9936, 19.6040,

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

15.9936, 19.6040, 16.3056

Protanopia

18.3618, 19.5258, 15.1130

Deuteranopia

19.7797, 19.5074, 16.6327



Tritanopia

17.8911, 19.6046, 25.7628

Trichromacy



Original Color

15.9936, 19.6040, 16.3056

Protanomaly

17.4776, 19.6196, 15.4362

Deuteranomaly

18.1652, 19.3953, 16.4219

Tritanomaly

17.0428, 19.4411, 21.9230

Monochromacy



Original Color

15.9936, 19.6040, 16.3056

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7502, 18.6220, 18.3344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9936, 19.6040, 16.3056 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(103, 129, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 129, 105)  
}
```

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(103, 129, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 129, 105) }
```

Border

The CSS property to change the border of an element to XYZ 15.9936, 19.6040, 16.3056 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(103, 129, 105) }
```


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

```
.border{ border-color:rgb(103, 129, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 129, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 129, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 129, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 129,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9936, 19.6040, 16.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 129, 105) }
```

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

```
.background{ background-color: rgb(103,  
129, 105) }
```

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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