

Converting Colors

XYZ(11.7006, 17.1004, 16.0436)

Have a look what the booklet for
XYZ(11.7006, 17.1004, 16.0436)
contains.

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Color

**XYZ(11.7903, 17.2425,
16.0713)**

Conversions

Conversions Part 1

Format	Color
Hex	368069
RGB	54, 128, 105
RGB Percent	21%, 50%, 41%
CMY	0.7882, 0.4980, 0.5882
CMYK	0.58, 0.00, 0.18, 0.50
HSL	161°, 41%, 36%
HSV	161°, 58%, 50%
XYZ	11.7903, 17.2425, 16.0713
YIQ	103.2520, -36.7210, -22.8410

Conversions

Conversions Part 2

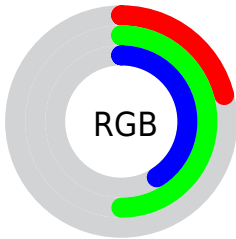
Format	Color
R_{YB}	54, 98, 128
Decimal	3571817
CIE _{Lab}	48.56, -28.93, 5.62
CIE _{LCh}	49, 29.472, 169.005
Yxy	17.2425, 0.2614, 0.3823
Android (android.graphics.Color)	4281761897 (0xFF368069)
YUV	103.2520, 0.8618, -43.1940
Hunter-Lab	41.5241, -21.9841, 6.1195

Details

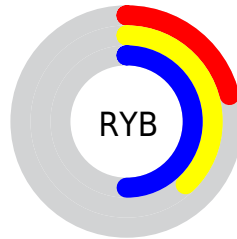
The XYZ color **11.7903, 17.2425, 16.0713** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.5614, 7.7638, 7.9111**, and the grayscale version is **12.9640, 13.6392, 14.8531**.

A 20% lighter version of the original color is **28.7090, 38.6362, 37.3969**, and **3.4881, 5.7543, 4.9298** is the 20% darker color. If you saturate the color by 10%, you get **10.9921, 16.8545, 14.9916**, and if you desaturate by 10%, it is **12.7799, 17.7289, 17.2107**.

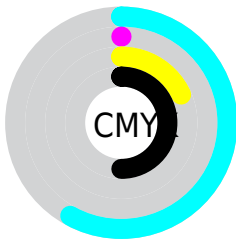
Distribution



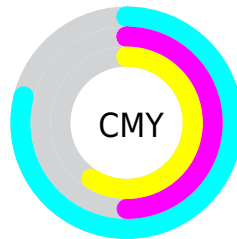
- Red (21%)
- Green (50%)
- Blue (41%)



- Red (21%)
- Yellow (38%)
- Blue (50%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (50%)



- Cyan (79%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7903, 17.2425, 16.0713 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 11.7903, 17.2425, 16.0713 by changing the saturation by 10% instead.

■ 11.7903, 17.2425,
16.0713

■ 11.7903, 17.2425,
16.0713

196.8104,
236.5660, 241.6221

■ 6.6722, 10.4075,
9.4197

■ 28.7328, 38.7422,
37.4905

■ 3.3025, 5.6700,
4.9154

■ 41.2879, 54.1758,
53.0951

■ 1.3157, 2.6455,
2.1398

■ 57.0528, 73.2444,
72.5212

■ 0.1949, 0.9496,
0.6393

■ 76.3927, 96.3324,
96.1873

■ 0.0000, 0.0000,
0.0000

■ 99.6731, 123.8241,
124.5119

■ 127.2593,

156.1040, 157.9135

159.5166,
193.5565, 196.8107

■ 11.7903, 17.2425,
16.0713

■ 11.7903, 17.2425,
16.0713

■ 10.9921, 16.8545,
14.9916

■ 12.7799, 17.7289,
17.2107

■ 10.3691, 16.5554,
13.9689

■ 13.9726, 18.3185,
18.4099

■ 9.9051, 16.3370,
13.0023

■ 15.3807, 19.0179,
19.6704

■ 9.5613, 16.1797,
12.0893

■ 17.0151, 19.8329,
20.9934

■ 9.4898, 16.1470,
11.8959

■ 18.8861, 20.7687,
22.3800

■ 21.0032, 21.8302,
23.8313

■ 23.3755, 23.0220,
25.3483

■ 26.0114, 24.3485,
26.9320

■ 28.9191, 25.8140,
28.5833

Harmonies

Analogous

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



12.7644, 17.2425, 10.5928



11.7903, 17.2425, 16.0713



11.9421, 17.2425, 24.0607

Triad

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



11.7903, 17.2425, 16.0713



18.1432, 17.2425, 36.6966



20.0468, 17.2425, 9.6186

Complementary

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



11.7903, 17.2425, 16.0713



11.5614, 7.7638, 7.9111

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.



21.8207, 17.2425, 14.3249



11.7903, 17.2425, 16.0713



20.6408, 17.2425, 30.3533

Square

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



11.7903, 17.2425, 16.0713



15.4153, 17.2425, 37.5458



22.0493, 17.2425, 21.7642



17.4017, 17.2425, 7.6110

Rectangle

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



11.7903, 17.2425, 16.0713



12.6662, 17.2425, 29.8100



22.0493, 17.2425, 21.7642



20.7767, 17.2425, 10.8660

Sweetspot

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



11.7908, 17.2432, 16.0717



30.0865, 34.9825, 37.0611



11.4812, 17.3012, 6.2247



6.9270, 8.1319, 8.5862



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.



11.7908, 17.2432, 16.0717



19.0182, 29.5125, 25.8841



11.4845, 14.4761, 22.6117



4.3913, 4.8648, 5.2317



9.4102, 16.0106, 11.7986



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.5614, 7.7638, 7.9111



18.5916, 11.1682, 10.1779



11.6095, 8.9381, 4.6037



4.3786, 4.3646, 4.7980



9.2038, 4.7012, 2.3970



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7903, 17.2425, 16.0713 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 11.7903, 17.2425, 16.0713 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 11.7903, 17.2425, 16.0713

Background



This preview shows how black text looks on a background with the XYZ color 11.7903, 17.2425, 16.0713.

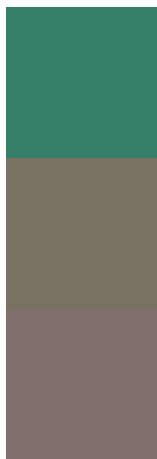


This preview shows how white text looks on a background with the XYZ color 11.7903, 17.2425,

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

11.7903, 17.2425, 16.0713

Protanopia

16.1071, 16.9814, 13.9841

Deuteranopia

17.3468, 17.0622, 16.8471



Tritanopia

13.6251, 17.2265, 25.1612

Trichromacy



Original Color

11.7903, 17.2425, 16.0713

Protanomaly

13.8756, 16.6746, 14.7991

Deuteranomaly

14.4349, 16.5720, 16.6253

Tritanomaly

12.7722, 17.0580, 21.3582

Monochromacy



Original Color

11.7903, 17.2425, 16.0713

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0392, 14.5191, 15.2646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7903, 17.2425, 16.0713 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(54, 128, 105)` looks like.

```
.text, #text, p{  
    color:rgb(54, 128, 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(54, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 128, 105) }
```

Border

The CSS property to change the border of an element to XYZ 11.7903, 17.2425, 16.0713 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(54, 128, 105) }
```


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

```
.border{ border-color:rgb(54, 128, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 128, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(54, 128,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7903, 17.2425, 16.0713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 128, 105) }
```

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

```
.background{ background-color: rgb(54, 128,  
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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