

Converting Colors

XYZ(17.6237, 15.9719, 21.3733)

Have a look what the booklet for
XYZ(17.6237, 15.9719, 21.3733)
contains.

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Color

**XYZ(17.6417, 16.0230,
21.2317)**

Conversions

Conversions Part 1

Format	Color
Hex	81687C
RGB	129, 104, 124
RGB Percent	51%, 41%, 49%
CMY	0.4941, 0.5921, 0.5137
CMYK	0.00, 0.19, 0.04, 0.49
HSL	312°, 11%, 46%
HSV	312°, 19%, 51%
XYZ	17.6417, 16.0230, 21.2317
YIQ	113.7550, 8.4800, 11.5200

Conversions

Conversions Part 2

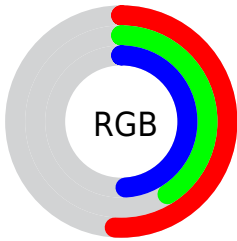
Format	Color
R_{YB}	129, 104, 124
Decimal	8480892
CIE _{Lab}	47.00, 13.64, -7.35
CIE _{LCh}	47, 15.495, 331.691
Yxy	16.0230, 0.3214, 0.2919
Android (android.graphics.Color)	4286670972 (0xFF81687C)
YUV	113.7550, 5.0508, 13.3699
Hunter-Lab	40.0287, 8.6193, -3.4280

Details

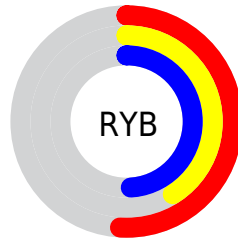
The XYZ color **17.6417, 16.0230, 21.2317** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3202, 19.7482, 17.4206**, and the grayscale version is **15.9049, 16.7331, 18.2224**.

A 20% lighter version of the original color is **38.9486, 36.5621, 46.5994**, and **5.9576, 5.0965, 7.3263** is the 20% darker color. If you saturate the color by 10%, you get **16.2803, 13.5578, 19.9834**, and if you desaturate by 10%, it is **19.2069, 18.8886, 22.5694**.

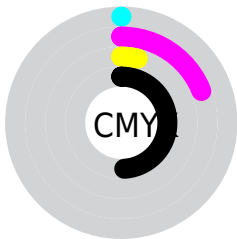
Distribution



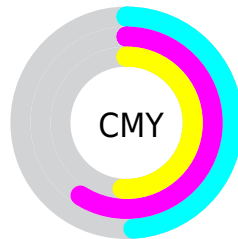
- Red (51%)
- Green (41%)
- Blue (49%)



- Red (51%)
- Yellow (41%)
- Blue (49%)



- Cyan (0%)
- Magenta (19%)
- Yellow (4%)
- Black (49%)



- Cyan (49%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6417, 16.0230, 21.2317 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 17.6417, 16.0230, 21.2317 by changing the saturation by 10% instead.

■ 17.6417, 16.0230,
21.2317

■ 17.6417, 16.0230,
21.2317

231.9285,
229.4774, 271.3287

■ 10.7912, 9.5404,
13.1006

■ 38.9607, 36.6381,
46.3586

■ 5.9929, 5.0953,
7.3663

■ 54.1599, 51.5395,
64.1915

■ 2.8814, 2.3033,
3.6103

■ 72.8728, 70.0159,
86.0954

■ 1.0913, 0.7755,
1.4141

■ 95.4646, 92.4517,
112.4888

■ 0.0178, 0.0000,
0.1527

122.3007,
119.2314, 143.7903

■ 0.0000, 0.0000,
0.0000

153.7465,

150.7393, 180.4184

190.1673,
187.3598, 222.7917

■ 17.6417, 16.0230,
21.2317

■ 17.6417, 16.0230,
21.2317

■ 16.2803, 13.5578,
19.9834

■ 19.2069, 18.8886,
22.5694

■ 15.1124, 11.4729,
18.8203

■ 20.9831, 22.1695,
23.9984

■ 14.1286, 9.7497,
17.7394

■ 22.9786, 25.8821,
25.5220

■ 13.3185, 8.3669,
16.7370

■ 25.2011, 30.0415,
27.1427

■ 12.6702, 7.3013,
15.8089

■ 27.6576, 34.6621,
28.8631

■ 12.1707, 6.5267,
14.9507

■ 30.3551, 39.7576,
30.6857

■ 11.8048, 6.0126,
14.1570

■ 33.3002, 45.3411,
32.6129

■ 11.5283, 5.6711,
13.4132

■ 36.4991, 51.4251,
34.6467

■ 11.5115, 5.6504,
13.3677

■ 39.9580, 58.0219,
36.7896

Harmonies

Analogous

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



16.6403, 16.0230, 24.6012



17.6417, 16.0230, 21.2317



17.9865, 16.0230, 17.2269

Triad

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



17.6417, 16.0230, 21.2317



15.1526, 16.0230, 10.9972



13.1172, 16.0230, 21.6697

Complementary

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



17.6417, 16.0230, 21.2317



16.3202, 19.7482, 17.4206

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.



12.7694, 16.0230, 17.6676



17.6417, 16.0230, 21.2317



13.9005, 16.0230, 11.8335

Square

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



17.6417, 16.0230, 21.2317



16.4994, 16.0230, 11.6642



13.0476, 16.0230, 14.1399



14.0263, 16.0230, 24.8793

Rectangle

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



17.6417, 16.0230, 21.2317



17.7823, 16.0230, 14.8298



13.0476, 16.0230, 14.1399



12.9333, 16.0230, 20.3538

Sweetspot

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



17.6422, 16.0237, 21.2320



35.3824, 35.6440, 41.2264



15.2201, 14.7376, 22.8117



7.9727, 8.0016, 9.3021



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.



17.6422, 16.0237, 21.2320



30.5347, 26.7721, 37.0719



16.9010, 15.7272, 17.3293



4.4625, 4.3981, 5.2398



11.2251, 5.5097, 13.0412



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6422, 16.0237, 21.2320



30.5347, 26.7721, 37.0719



17.0417, 20.0368, 21.2202



4.4625, 4.3981, 5.2398



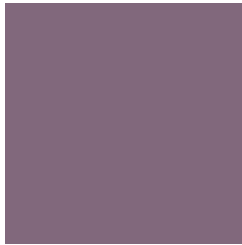
11.2251, 5.5097, 13.0412



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.6417, 16.0230, 21.2317 looks on a white background.

Color Contrast Check

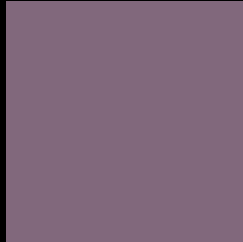
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6417, 16.0230, 21.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

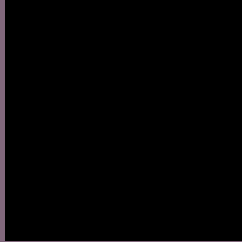
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6417, 16.0230, 21.2317

Background



This preview shows how black text looks on a background with the XYZ color 17.6417, 16.0230, 21.2317.



This preview shows how white text looks on a background with the XYZ color 17.6417, 16.0230,

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

17.6417, 16.0230, 21.2317

Protanopia

15.8874, 16.1786, 22.7075

Deuteranopia

16.3799, 16.1492, 20.9927



Tritanopia

17.0934, 16.1122, 18.1286

Trichromacy



Original Color

17.6417, 16.0230, 21.2317

Protanomaly

16.3958, 15.9704, 22.2971

Deuteranomaly

16.7180, 16.0104, 20.9481

Tritanomaly

17.2237, 16.0004, 19.3201

Monochromacy



Original Color

17.6417, 16.0230, 21.2317

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4537, 16.3818, 19.4343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6417, 16.0230, 21.2317 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(129, 104, 124)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 124)  
}
```

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(129, 104, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 124) }
```

Border

The CSS property to change the border of an element to XYZ 17.6417, 16.0230, 21.2317 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(129, 104, 124) }
```


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

```
.border{ border-color:rgb(129, 104, 124) }
```

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

Here you see how a box with a 4 pixel rgb(129, 104, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 124);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6417, 16.0230, 21.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 124) }
```

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

```
.background{ background-color: rgb(129,  
104, 124) }
```

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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