

Converting Colors

XYZ(16.7537, 18.8147, 26.8020)

Have a look what the booklet for
XYZ(16.7537, 18.8147, 26.8020)
contains.

| | |
|--|----|
| XYZ(16.7249, 18.7917, 26.7904) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(16.7249, 18.7917,
26.7904)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 617C8A |
| RGB | 97, 124, 138 |
| RGB Percent | 38%, 49%, 54% |
| CMY | 0.6196, 0.5137, 0.4588 |
| CMYK | 0.30, 0.10, 0.00, 0.46 |
| HSL | 200°, 17%, 46% |
| HSV | 200°, 30%, 54% |
| XYZ | 16.7249, 18.7917, 26.7904 |
| YIQ | 117.5230, -20.5860, -1.3700 |

Conversions

Conversions Part 2

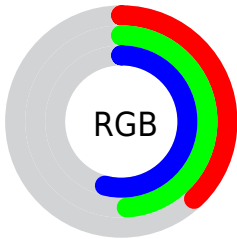
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 97, 113, 138 |
| Decimal | 6388874 |
| CIE Lab | 50.44, -6.21, -10.77 |
| CIE LCh | 50, 12.428, 240.047 |
| Yxy | 18.7917, 0.2684, 0.3016 |
| Android (android.graphics.Color) | 4284578954 (0xFF617C8A) |
| YUV | 117.5230, 10.0952, -17.9987 |
| Hunter-Lab | 43.3494, -6.9932, -6.2973 |

Details

The XYZ color **16.7249, 18.7917, 26.7904** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3236, 17.6354, 13.7480**, and the grayscale version is **17.0456, 17.9333, 19.5293**.

A 20% lighter version of the original color is **37.5205, 41.5954, 55.3414**, and **5.5442, 6.3897, 10.1736** is the 20% darker color. If you saturate the color by 10%, you get **14.8041, 16.9462, 26.5357**, and if you desaturate by 10%, it is **18.9309, 20.8271, 27.0673**.

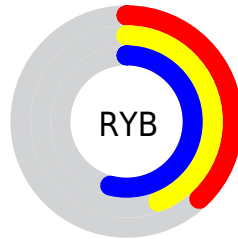
Distribution



Red (38%)

Green (49%)

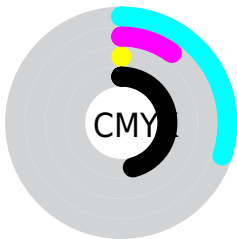
Blue (54%)



Red (38%)

Yellow (44%)

Blue (54%)

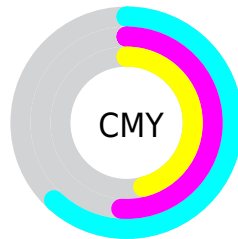


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (46%)



Cyan (62%)

Magenta (51%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7249, 18.7917, 26.7904 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 16.7249, 18.7917, 26.7904 by changing the saturation by 10% instead.

■ 16.7249, 18.7917,
26.7904

■ 16.7249, 18.7917,
26.7904

226.7693,
245.2964, 300.3688

■ 10.1326, 11.5199,
17.1848

■ 37.3995, 41.3818,
55.5470

■ 5.5499, 6.4176,
10.2030

■ 52.2126, 57.4689,
75.5351

■ 2.6114, 3.1007,
5.4264

■ 70.4967, 77.2632,
99.8211

■ 0.9518, 1.1845,
2.4365

■ 92.6171, 101.1491,
128.8236

■ 0.0000, 0.0490,
0.8062

118.9392,
129.5109, 162.9610

■ 0.0000, 0.0000,
0.0000

149.8284,

162.7332, 202.6520

185.6500,
201.2002, 248.3151

■ 16.7249, 18.7917,
26.7904

■ 16.7249, 18.7917,
26.7904

■ 14.8041, 16.9462,
26.5357

■ 18.9309, 20.8271,
27.0673

■ 13.1532, 15.2806,
26.3013

■ 21.4330, 23.0571,
27.3659

■ 11.7578, 13.7875,
26.0866

■ 24.2437, 25.4892,
27.6872

■ 10.6017, 12.4579,
25.8909

■ 27.3743, 28.1298,
28.0319

■ 9.6663, 11.2816,
25.7131

■ 30.8352, 30.9848,
28.4005

■ 8.9302, 10.2469,
25.5522

■ 34.6366, 34.0599,
28.7937

■ 8.3353, 9.3232,
25.4053

■ 38.7883, 37.3607,
29.2120

■ 8.3186, 9.2972,
25.4011

■ 43.2993, 40.8925,
29.6560

■ 48.1788, 44.6603,
30.1261

Harmonies

Analogous

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



15.9228, 18.7917, 23.9799



16.7249, 18.7917, 26.7904



17.8628, 18.7917, 27.8692

Triad

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



16.7249, 18.7917, 26.7904



20.2886, 18.7917, 20.4555



16.7218, 18.7917, 15.2208

Complementary

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



16.7249, 18.7917, 26.7904



18.3236, 17.6354, 13.7480

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.



17.8591, 18.7917, 14.4978



16.7249, 18.7917, 26.7904



19.9503, 18.7917, 17.3044

Square

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



16.7249, 18.7917, 26.7904



19.9524, 18.7917, 23.9694



19.0473, 18.7917, 15.2163



15.9210, 18.7917, 17.3128

Rectangle

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



16.7249, 18.7917, 26.7904



18.6699, 18.7917, 27.3763



19.0473, 18.7917, 15.2163



17.0757, 18.7917, 14.8208

Sweetspot

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



16.7255, 18.7925, 26.7908



38.0214, 40.8543, 48.2649



16.8696, 21.8591, 18.2735



8.3939, 9.0456, 10.8099



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7255, 18.7925, 26.7908



27.0395, 30.7932, 46.9017



14.4513, 14.2440, 26.0328



5.0314, 5.4058, 6.3841



7.6407, 8.5517, 23.2936



0.0644, 0.0841, 0.1593

Inverse Universe

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



18.3945, 15.4084, 21.0743



30.5677, 24.0324, 34.7291



20.7780, 22.5441, 14.5661



5.1625, 5.1004, 5.9442



11.3435, 5.6475, 9.5790



0.0822, 0.0403, 0.0999

Previews

White Background



This preview shows how the XYZ color 16.7249, 18.7917, 26.7904 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 16.7249, 18.7917, 26.7904 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

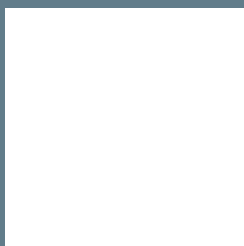
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7249, 18.7917, 26.7904

Background



This preview shows how black text looks on a background with the XYZ color 16.7249, 18.7917, 26.7904.



This preview shows how white text looks on a background with the XYZ color 16.7249, 18.7917,

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

16.7249, 18.7917, 26.7904

Protanopia

18.3061, 18.7248, 25.5711

Deuteranopia

19.0475, 18.7242, 27.0363



Tritanopia

16.5307, 18.9033, 25.6991

Trichromacy



Original Color

16.7249, 18.7917, 26.7904

Protanomaly

17.7117, 18.7673, 25.9815

Deuteranomaly

18.1867, 18.8077, 27.0978

Tritanomaly

16.6014, 18.9316, 26.0717

Monochromacy



Original Color

16.7249, 18.7917, 26.7904

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8485, 18.2286, 22.0325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7249, 18.7917, 26.7904 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(97, 124, 138) looks like.

```
.text, #text, p{  
    color:rgb(97, 124, 138)  
}
```

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(97, 124, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 124, 138) }
```

Border

The CSS property to change the border of an element to XYZ 16.7249, 18.7917, 26.7904 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(97, 124, 138) }
```


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

```
.border{ border-color:rgb(97, 124, 138) }
```

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

Here you see how a box with a 4 pixel rgb(97, 124, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 124, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 124, 138);  
box-shadow:4px 4px 4px 4px rgb(97, 124,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7249, 18.7917, 26.7904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 124, 138) }
```

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

```
.background{ background-color: rgb(97, 124,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor