

Converting Colors

XYZ(16.0635, 17.8312, 21.6639)

Have a look what the booklet for
XYZ(16.0635, 17.8312, 21.6639)
contains.

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Color

**XYZ(16.0635, 17.8312,
21.6639)**

Conversions

Conversions Part 1

Format	Color
Hex	68787C
RGB	104, 120, 124
RGB Percent	41%, 47%, 49%
CMY	0.5922, 0.5294, 0.5137
CMYK	0.16, 0.03, 0.00, 0.51
HSL	192°, 9%, 45%
HSV	192°, 16%, 49%
XYZ	16.0635, 17.8312, 21.6639
YIQ	115.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

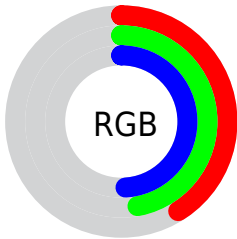
Format	Color
RYB	104, 113, 124
Decimal	6846588
CIELab	49.29, -4.98, -4.19
CIELCh	49, 6.510, 220.045
Yxy	17.8312, 0.2891, 0.3209
Android (android.graphics.Color)	4285036668 (0xFF68787C)
YUV	115.6720, 4.1057, -10.2363
Hunter-Lab	42.2270, -5.9944, -0.8589

Details

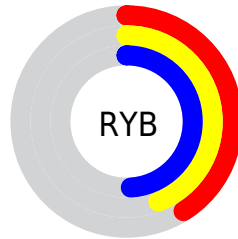
The XYZ color **16.0635, 17.8312, 21.6639** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1736, 16.0098, 15.3349**, and the grayscale version is **16.4908, 17.3496, 18.8937**.

A 20% lighter version of the original color is **36.1066, 39.6082, 46.8164**, and **5.2747, 6.0126, 7.5391** is the 20% darker color. If you saturate the color by 10%, you get **14.4345, 16.5550, 21.5037**, and if you desaturate by 10%, it is **17.9129, 19.2335, 21.8374**.

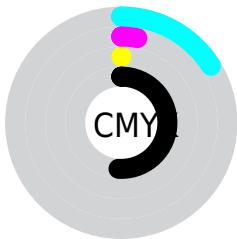
Distribution



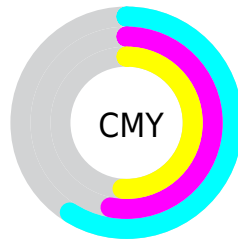
- Red (41%)
- Green (47%)
- Blue (49%)



- Red (41%)
- Yellow (44%)
- Blue (49%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (51%)



- Cyan (59%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0635, 17.8312, 21.6639 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 16.0635, 17.8312, 21.6639 by changing the saturation by 10% instead.

■ 16.0635, 17.8312,
21.6639

■ 16.0635, 17.8312,
21.6639

222.9792,
239.9179, 273.6820

■ 9.6602, 10.8289,
13.4142

■ 36.2650, 39.7495,
47.0849

■ 5.2348, 5.9519,
7.5803

■ 50.7939, 55.4342,
65.0933

■ 2.4218, 2.8158,
3.7437

■ 68.7620, 74.7819,
87.1917

■ 0.8560, 1.0364,
1.4858

■ 90.5348, 98.1769,
113.7985

■ 0.0000, 0.0000,
0.2073

116.4776,
126.0036, 145.3325

■ 0.0000, 0.0000,
0.0000

146.9556,

158.6464, 182.2120

182.3344,
196.4897, 224.8557

■ 16.0635, 17.8312,
21.6639

■ 16.0635, 17.8312,
21.6639

■ 14.4345, 16.5550,
21.5037

■ 17.9129, 19.2335,
21.8374

■ 13.0152, 15.3977,
21.3551

■ 19.9900, 20.7642,
22.0234

■ 11.7960, 14.3550,
21.2181

■ 22.3033, 22.4283,
22.2226

■ 10.7663, 13.4211,
21.0921

■ 24.8608, 24.2300,
22.4356

■ 9.9142, 12.5899,
20.9766

■ 27.6698, 26.1732,
22.6626

■ 9.2266, 11.8545,
20.8709

■ 30.7375, 28.2616,
22.9040

■ 8.6883, 11.2070,
20.7743

■ 34.0707, 30.4988,
23.1602

■ 8.2717, 10.6331,
20.6855

■ 37.6760, 32.8883,
23.4314

■ 8.1199, 10.4187,
20.6521

■ 41.5596, 35.4335,
23.7180

Harmonies

Analogous

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



15.8161, 17.8312, 20.0086



16.0635, 17.8312, 21.6639



16.5498, 17.8312, 22.7564

Triad

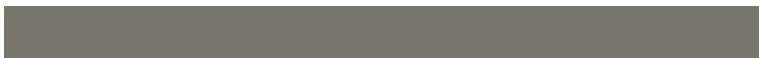
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.0635, 17.8312, 21.6639



18.0777, 17.8312, 20.5876



16.7437, 17.8312, 16.2837

Complementary

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



16.0635, 17.8312, 21.6639



16.1736, 16.0098, 15.3349

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.



17.3526, 17.8312, 16.4180



16.0635, 17.8312, 21.6639



18.1327, 17.8312, 18.8336

Square

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



16.0635, 17.8312, 21.6639



17.7160, 17.8312, 22.1096



17.8644, 17.8312, 17.3277



16.2025, 17.8312, 16.9490

Rectangle

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



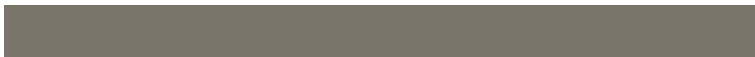
16.0635, 17.8312, 21.6639



16.9489, 17.8312, 22.9820



17.8644, 17.8312, 17.3277



16.9471, 17.8312, 16.2379

Sweetspot

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



16.0640, 17.8319, 21.6643



31.8727, 34.1075, 38.4601



15.6060, 18.4343, 16.8306



7.4589, 7.9973, 9.0536



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.0640, 17.8319, 21.6643



27.2737, 30.6091, 38.0273



14.9594, 15.6226, 21.2961



4.0423, 4.3828, 5.0761



8.2527, 10.5878, 20.9940



38.7575, 49.2876, 99.9405

Inverse Universe

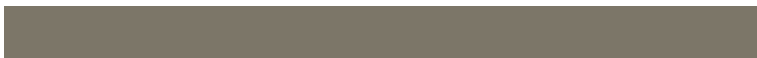
The Inverse Universe completely reimagines the original color for something new.



16.6531, 15.5422, 19.8923



28.5054, 25.8911, 34.3065



17.2505, 18.1634, 15.6938



4.1218, 4.0644, 4.8390



10.7489, 5.2757, 12.5005



50.9661, 25.0428, 58.0110

Previews

White Background



This preview shows how the XYZ color 16.0635, 17.8312, 21.6639 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 16.0635, 17.8312, 21.6639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

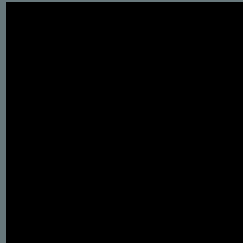
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

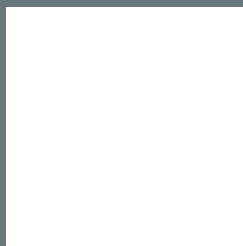
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0635, 17.8312, 21.6639

Background



This preview shows how black text looks on a background with the XYZ color 16.0635, 17.8312, 21.6639.



This preview shows how white text looks on a background with the XYZ color 16.0635, 17.8312,

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

16.0635, 17.8312, 21.6639

Protanopia

17.2295, 17.7475, 20.9299

Deuteranopia

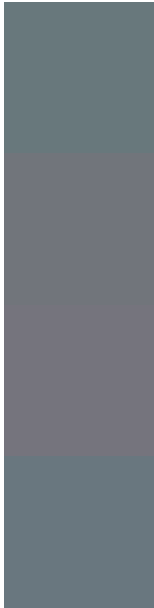
18.0312, 17.8004, 21.8875



Tritanopia

16.3850, 17.7819, 23.3375

Trichromacy



Original Color

16.0635, 17.8312, 21.6639

Protanomaly

16.7465, 17.6634, 21.2656

Deuteranomaly

17.2832, 17.7534, 21.9179

Tritanomaly

16.2533, 17.7292, 22.6441

Monochromacy



Original Color

16.0635, 17.8312, 21.6639

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3732, 17.4992, 19.9675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0635, 17.8312, 21.6639 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(104, 120, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 120, 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(104, 120, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 120, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.0635, 17.8312, 21.6639 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(104, 120, 124) }
```


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

```
.border{ border-color:rgb(104, 120, 124) }
```

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

Here you see how a box with a 4 pixel rgb(104, 120, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 120, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 120, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 120,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0635, 17.8312, 21.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 120, 124) }
```

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

```
.background{ background-color: rgb(104,  
120, 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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