

Converting Colors

XYZ(16.7633, 17.6273, 22.7691)

Have a look what the booklet for
XYZ(16.7633, 17.6273, 22.7691)
contains.

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Color

**XYZ(16.8131, 17.6606,
22.9448)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7580
RGB	111, 117, 128
RGB Percent	44%, 46%, 50%
CMY	0.5647, 0.5412, 0.4980
CMYK	0.13, 0.09, 0.00, 0.50
HSL	219°, 7%, 47%
HSV	219°, 13%, 50%
XYZ	16.8131, 17.6606, 22.9448
YIQ	116.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

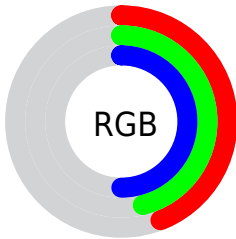
Format	Color
R_{YB}	111, 115, 128
Decimal	7304576
CIE _{Lab}	49.08, 0.15, -6.81
CIE _{LCh}	49, 6.807, 271.276
Yxy	17.6606, 0.2928, 0.3076
Android (android.graphics.Color)	4285494656 (0xFF6F7580)
YUV	116.4600, 5.6892, -4.7884
Hunter-Lab	42.0245, -2.1289, -2.9544

Details

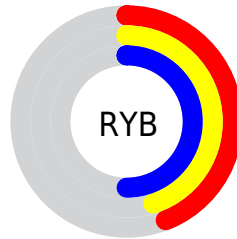
The XYZ color **16.8131, 17.6606, 22.9448** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7309, 19.6558, 17.8459**, and the grayscale version is **16.7268, 17.5979, 19.1641**.

A 20% lighter version of the original color is **37.6327, 39.4987, 49.3566**, and **5.5893, 5.8775, 8.2370** is the 20% darker color. If you saturate the color by 10%, you get **14.3941, 15.0444, 22.5676**, and if you desaturate by 10%, it is **19.5494, 20.5680, 23.3620**.

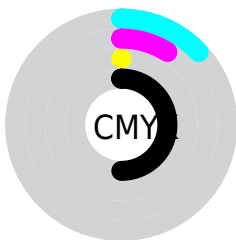
Distribution



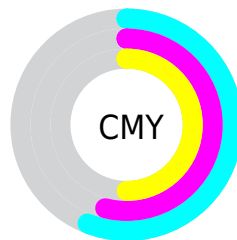
- Red (44%)
- Green (46%)
- Blue (50%)



- Red (44%)
- Yellow (45%)
- Blue (50%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8131, 17.6606, 22.9448 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 16.8131, 17.6606, 22.9448 by changing the saturation by 10% instead.

■ 16.8131, 17.6606,
22.9448

■ 16.8131, 17.6606,
22.9448

227.2703,
238.9510, 280.5541

■ 10.1958, 10.7066,
14.3478

■ 37.5503, 39.4581,
49.2247

■ 5.5922, 5.8699,
8.2215

■ 52.4009, 55.0705,
67.7448

■ 2.6370, 2.7661,
4.1472

■ 70.7267, 74.3377,
90.4096

■ 0.9649, 1.0109,
1.7064

■ 92.8930, 97.6442,
117.6377

■ 0.0000, 0.0000,
0.3651

119.2651,
125.3744, 149.8476

■ 0.0000, 0.0000,
0.0000

150.2085,

157.9126, 187.4580

186.0884,
195.6434, 230.8873

■ 16.8131, 17.6606,
22.9448

■ 16.8131, 17.6606,
22.9448

■ 14.3941, 15.0444,
22.5676

■ 19.5494, 20.5680,
23.3620

■ 12.2787, 12.7078,
22.2281

■ 22.6127, 23.7734,
23.8193

■ 10.4548, 10.6414,
21.9254

■ 26.0142, 27.2861,
24.3180

■ 8.9087, 8.8348,
21.6581

■ 29.7642, 31.1142,
24.8593

■ 7.6255, 7.2765,
21.4250

■ 33.8724, 35.2658,
25.4441

■ 6.5887, 5.9541,
21.2244

■ 38.3483, 39.7483,
26.0734

■ 5.7799, 4.8540,
21.0547

■ 43.2009, 44.5692,
26.7482

■ 5.1771, 3.9603,
20.9139

■ 48.4389, 49.7354,
27.4693

■ 4.8420, 3.4499,
20.8331

■ 54.0707, 55.2540,
28.2376

Harmonies

Analogous

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



16.2054, 17.6606, 22.4647



16.8131, 17.6606, 22.9448



17.4283, 17.6606, 22.3783

Triad

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



16.8131, 17.6606, 22.9448



17.8521, 17.6606, 17.4691



15.7369, 17.6606, 17.5960

Complementary

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



16.8131, 17.6606, 22.9448



18.7309, 19.6558, 17.8459

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.



16.1594, 17.6606, 16.3906



16.8131, 17.6606, 22.9448



17.3800, 17.6606, 16.3207

Square

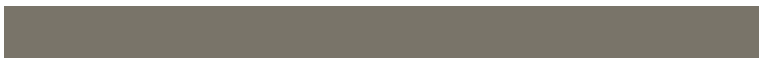
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.8131, 17.6606, 22.9448



18.0375, 17.6606, 19.1516



16.7587, 17.6606, 15.9384



15.5936, 17.6606, 19.3074

Rectangle

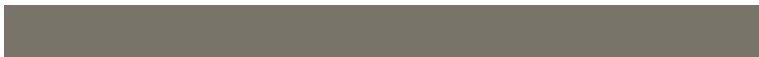
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.8131, 17.6606, 22.9448



17.7574, 17.6606, 21.5029



16.7587, 17.6606, 15.9384



15.8504, 17.6606, 17.1221

Sweetspot

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



16.8136, 17.6613, 22.9452



34.0074, 35.7783, 41.0698



17.7734, 20.2175, 21.3026



7.8839, 8.2941, 9.6037



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.



16.8136, 17.6613, 22.9452



28.2291, 29.6191, 40.1855



16.4254, 16.4561, 22.7330



4.2234, 4.4409, 5.4478



4.8024, 3.4232, 20.6576



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.7978, 17.2428, 19.2206



30.3318, 28.7689, 32.2179



19.1536, 21.0017, 18.0834



4.3856, 4.3674, 4.8351



9.3010, 4.7401, 2.9087



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8131, 17.6606, 22.9448 looks on a white background.

Color Contrast Check

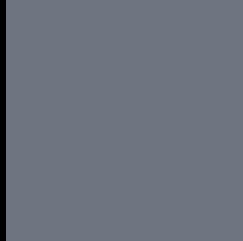
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8131, 17.6606, 22.9448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

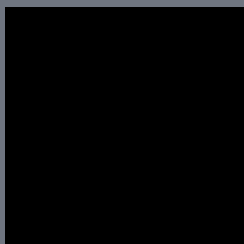
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

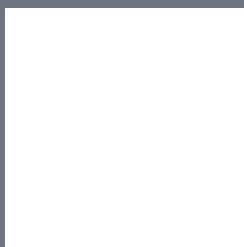
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8131, 17.6606, 22.9448

Background



This preview shows how black text looks on a background with the XYZ color 16.8131, 17.6606, 22.9448.



This preview shows how white text looks on a background with the XYZ color 16.8131, 17.6606,

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

16.8131, 17.6606, 22.9448

Protanopia

17.1464, 17.6679, 22.5852

Deuteranopia

17.8936, 17.5328, 23.2100



Tritanopia

16.7476, 17.6344, 22.5998

Trichromacy



Original Color

16.8131, 17.6606, 22.9448

Protanomaly

17.0156, 17.6005, 22.5791

Deuteranomaly

17.4510, 17.4712, 23.2214

Tritanomaly

16.7476, 17.6344, 22.5998

Monochromacy



Original Color

16.8131, 17.6606, 22.9448

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5750, 17.4243, 20.2589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8131, 17.6606, 22.9448 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(111, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(111, 117, 128)  
}
```

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(111, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.8131, 17.6606, 22.9448 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(111, 117, 128) }
```


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

```
.border{ border-color:rgb(111, 117, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(111, 117,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8131, 17.6606, 22.9448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 117, 128) }
```

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

```
.background{ background-color: rgb(111,  
117, 128) }
```

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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