

Converting Colors

XYZ(16.9969, 17.6120, 22.7536)

Have a look what the booklet for
XYZ(16.9969, 17.6120, 22.7536)
contains.

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Color

**XYZ(16.9517, 17.5600,
22.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	717480
RGB	113, 116, 128
RGB Percent	44%, 45%, 50%
CMY	0.5569, 0.5451, 0.4980
CMYK	0.12, 0.09, 0.00, 0.50
HSL	228°, 6%, 47%
HSV	228°, 12%, 50%
XYZ	16.9517, 17.5600, 22.9180
YIQ	116.4710, -5.6400, 3.0960

Conversions

Conversions Part 2

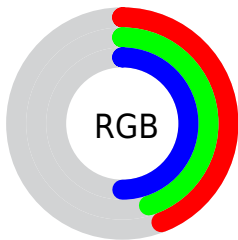
Format	Color
R_{YB}	113, 116, 128
Decimal	7435392
CIE Lab	48.96, 1.45, -6.97
CIE LCh	49, 7.123, 281.782
Yxy	17.5600, 0.2952, 0.3058
Android (android.graphics.Color)	4285625472 (0xFF717480)
YUV	116.4710, 5.6838, -3.0441
Hunter-Lab	41.9047, -1.1245, -3.0929

Details

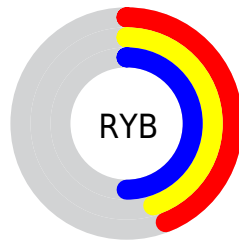
The XYZ color **16.9517, 17.5600, 22.9180** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2164, 20.4485, 18.5572**, and the grayscale version is **16.7298, 17.6011, 19.1676**.

A 20% lighter version of the original color is **37.8602, 39.3408, 49.3141**, and **5.6584, 5.8226, 8.2228** is the 20% darker color. If you saturate the color by 10%, you get **14.3039, 14.5389, 22.4747**, and if you desaturate by 10%, it is **19.9629, 20.9625, 23.4163**.

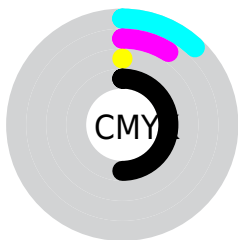
Distribution



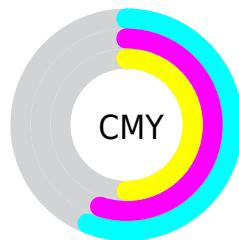
- Red (44%)
- Green (45%)
- Blue (50%)



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



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9517, 17.5600, 22.9180 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 16.9517, 17.5600, 22.9180 by changing the saturation by 10% instead.

■ 16.9517, 17.5600,
22.9180

■ 16.9517, 17.5600,
22.9180

228.0556,
238.3792, 280.4118

■ 10.2952, 10.6346,
14.3282

■ 37.7870, 39.2861,
49.1801

■ 5.6589, 5.8217,
8.2080

■ 52.6964, 54.8556,
67.6896

■ 2.6774, 2.7369,
4.1386

■ 71.0875, 74.0752,
90.3427

■ 0.9856, 0.9960,
1.7017

■ 93.3256, 97.3294,
117.5580

■ 0.0000, 0.0000,
0.3619

119.7762,
125.0024, 149.7540

■ 0.0000, 0.0000,
0.0000

150.8044,

157.4788, 187.3493

186.7758,
195.1429, 230.7624

■ 16.9517, 17.5600,
22.9180

■ 16.9517, 17.5600,
22.9180

■ 14.3039, 14.5389,
22.4747

■ 19.9629, 20.9625,
23.4163

■ 12.0041, 11.8836,
22.0834

■ 23.3492, 24.7570,
23.9702

■ 10.0380, 9.5807,
21.7425

■ 27.1234, 28.9562,
24.5819

■ 8.3899, 7.6150,
21.4500

■ 31.2974, 33.5718,
25.2528

■ 7.0424, 5.9704,
21.2035

■ 35.8826, 38.6148,
25.9845

■ 5.9768, 4.6291,
21.0008

■ 40.8899, 44.0960,
26.7786

■ 5.1721, 3.5718,
20.8391

■ 46.3298, 50.0256,
27.6364

■ 4.6039, 2.7765,
20.7156

■ 52.2124, 56.4137,
28.5594

■ 4.2573, 2.2804,
20.6381

■ 58.5475, 63.2699,
29.5488

Harmonies

Analogous

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



16.2952, 17.5600, 22.7986



16.9517, 17.5600, 22.9180



17.5534, 17.5600, 21.9712

Triad

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



16.9517, 17.5600, 22.9180



17.6582, 17.5600, 16.7907



15.5093, 17.5600, 18.0019

Complementary

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



16.9517, 17.5600, 22.9180



19.2164, 20.4485, 18.5572

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.



15.8558, 17.5600, 16.5265



16.9517, 17.5600, 22.9180



17.0917, 17.5600, 15.8598

Square

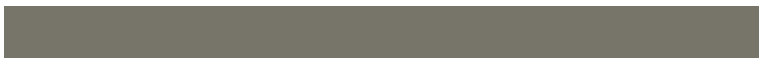
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.9517, 17.5600, 22.9180



17.9685, 17.5600, 18.3846



16.4315, 17.5600, 15.7664



15.4741, 17.5600, 19.8745

Rectangle

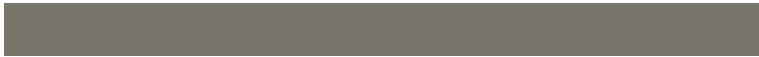
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.9517, 17.5600, 22.9180



17.8380, 17.5600, 20.8971



16.4315, 17.5600, 15.7664



15.5928, 17.5600, 17.4463

Sweetspot

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



16.9522, 17.5607, 22.9184



33.8303, 35.4240, 41.0107



18.2152, 20.4236, 22.3008



7.8360, 8.1983, 9.5878



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.



16.9522, 17.5607, 22.9184



28.5722, 29.4693, 40.1385



17.1714, 17.1683, 22.8311



4.1732, 4.3404, 5.4311



4.2222, 2.2629, 20.4642



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.9600, 17.6607, 18.9861



30.7091, 29.7011, 31.7959



18.9762, 20.8973, 18.6565



4.3603, 4.3573, 4.7016



9.0081, 4.6229, 1.3667



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9517, 17.5600, 22.9180 looks on a white background.

Color Contrast Check

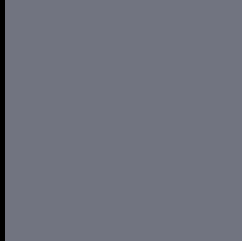
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9517, 17.5600, 22.9180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

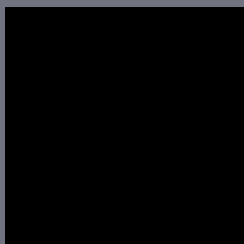
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

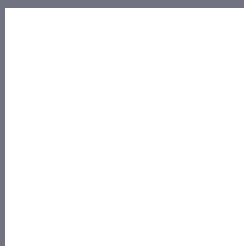
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9517, 17.5600, 22.9180

Background



This preview shows how black text looks on a background with the XYZ color 16.9517, 17.5600, 22.9180.



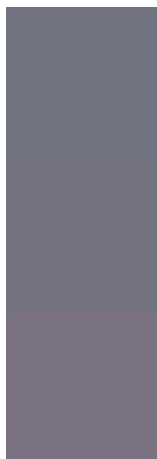
This preview shows how white text looks on a background with the XYZ color 16.9517, 17.5600,

22.9180.

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

16.9517, 17.5600, 22.9180

Protanopia

17.0972, 17.4648, 22.8920

Deuteranopia

17.8936, 17.5328, 23.2100



Tritanopia

16.8213, 17.5079, 22.2314

Trichromacy



Original Color

16.9517, 17.5600, 22.9180

Protanomaly

16.9664, 17.3974, 22.8859

Deuteranomaly

17.5875, 17.5415, 23.2278

Tritanomaly

16.8862, 17.5338, 22.5730

Monochromacy



Original Color

16.9517, 17.5600, 22.9180

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.7058, 17.4917, 20.2650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9517, 17.5600, 22.9180 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(113, 116, 128)` looks like.

```
.text, #text, p{  
    color:rgb(113, 116, 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(113, 116, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 116, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.9517, 17.5600, 22.9180 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(113, 116, 128) }
```


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

```
.border{ border-color:rgb(113, 116, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 116, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 116, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 116, 128);  
box-shadow:4px 4px 4px 4px rgb(113, 116,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9517, 17.5600, 22.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 116, 128) }
```

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

```
.background{ background-color: rgb(113,  
116, 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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