

Converting Colors

XYZ(16.3493, 17.0648, 22.8324)

Have a look what the booklet for
XYZ(16.3493, 17.0648, 22.8324)
contains.

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Color

**XYZ(16.3337, 17.0712,
22.8563)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7380
RGB	109, 115, 128
RGB Percent	43%, 45%, 50%
CMY	0.5725, 0.5490, 0.4980
CMYK	0.15, 0.10, 0.00, 0.50
HSL	221°, 8%, 46%
HSV	221°, 15%, 50%
XYZ	16.3337, 17.0712, 22.8563
YIQ	114.6880, -7.7490, 2.7710

Conversions

Conversions Part 2

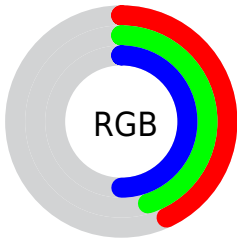
Format	Color
R_{YB}	109, 114, 128
Decimal	7172992
CIE Lab	48.35, 0.61, -7.91
CIE LCh	48, 7.939, 274.438
Yxy	17.0712, 0.2903, 0.3034
Android (android.graphics.Color)	4285363072 (0xFF6D7380)
YUV	114.6880, 6.5628, -4.9884
Hunter-Lab	41.3173, -1.7401, -3.8765

Details

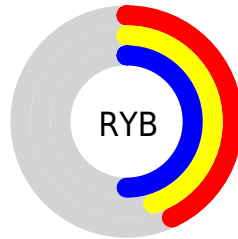
The XYZ color **16.3337, 17.0712, 22.8563** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6221, 19.6123, 17.2724**, and the grayscale version is **16.1842, 17.0270, 18.5424**.

A 20% lighter version of the original color is **36.8571, 38.5507, 49.2145**, and **5.3429, 5.5709, 8.1908** is the 20% darker color. If you saturate the color by 10%, you get **13.9208, 14.4151, 22.4711**, and if you desaturate by 10%, it is **19.0718, 20.0367, 23.2847**.

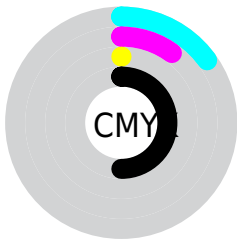
Distribution



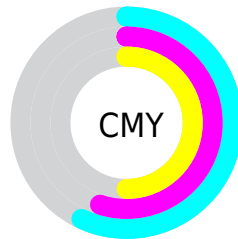
- Red (43%)
- Green (45%)
- Blue (50%)



- Red (43%)
- Yellow (45%)
- Blue (50%)



- Cyan (15%)
- Magenta (10%)
- Yellow (0%)
- Black (50%)



- Cyan (57%)
- Magenta (55%)
- Yellow (50%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3337, 17.0712, 22.8563 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 16.3337, 17.0712, 22.8563 by changing the saturation by 10% instead.

■ 16.3337, 17.0712,
22.8563

■ 16.3337, 17.0712,
22.8563

224.5347,
235.5824, 280.0840

■ 9.8529, 10.2853,
14.2831

■ 36.7293, 38.4482,
49.0775

■ 5.3631, 5.5885,
8.1769

■ 51.3749, 53.8080,
67.5625

■ 2.4988, 2.5965,
4.1189

■ 69.4729, 72.7945,
90.1887

■ 0.8946, 0.9249,
1.6908

■ 91.3885, 95.7922,
117.3744

■ 0.0000, 0.0000,
0.3544

117.4871,
123.1855, 149.5383

■ 0.0000, 0.0000,
0.0000

148.1341,

155.3586, 187.0988

183.6949,
192.6961, 230.4745

■ 16.3337, 17.0712,
22.8563

■ 16.3337, 17.0712,
22.8563

■ 13.9208, 14.4151,
22.4711

■ 19.0718, 20.0367,
23.2847

■ 11.8191, 12.0559,
22.1265

■ 22.1455, 23.3194,
23.7563

■ 10.0158, 9.9833,
21.8215

■ 25.5663, 26.9292,
24.2728

■ 8.4965, 8.1858,
21.5546

■ 29.3451, 30.8753,
24.8353

■ 7.2457, 6.6507,
21.3242

■ 33.4919, 35.1661,
25.4449

■ 6.2461, 5.3645,
21.1286

■ 38.0165, 39.8100,
26.1028

■ 5.4782, 4.3120,
20.9659

■ 42.9284, 44.8151,
26.8100

■ 4.9153, 3.4739,
20.8338

■ 48.2367, 50.1890,
27.5675

■ 4.6698, 3.1054,
20.7757

■ 53.9501, 55.9393,
28.3763

Harmonies

Analogous

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



15.6319, 17.0712, 22.4245



16.3337, 17.0712, 22.8563



17.0264, 17.0712, 22.0764

Triad

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



16.3337, 17.0712, 22.8563



17.4020, 17.0712, 16.4213



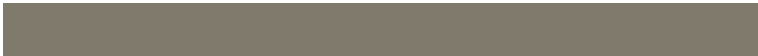
15.0010, 17.0712, 16.9185

Complementary

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



16.3337, 17.0712, 22.8563



18.6221, 19.6123, 17.2724

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.



15.4505, 17.0712, 15.4872



16.3337, 17.0712, 22.8563



16.8343, 17.0712, 15.2155

Square

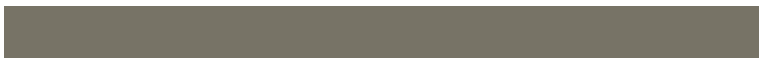
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.3337, 17.0712, 22.8563



17.6547, 17.0712, 18.2806



16.1181, 17.0712, 14.8866



14.8759, 17.0712, 18.8981

Rectangle

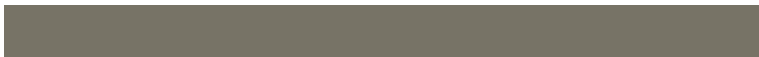
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.3337, 17.0712, 22.8563



17.3856, 17.0712, 21.0061



16.1181, 17.0712, 14.8866



15.1185, 17.0712, 16.3623

Sweetspot

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



16.3342, 17.0719, 22.8567



33.9642, 35.6919, 41.0554



17.5380, 20.0946, 21.3616



7.8722, 8.2707, 9.5998



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.



16.3342, 17.0719, 22.8567



27.1768, 28.3257, 39.9913



16.1090, 15.9727, 22.6564



4.2111, 4.4163, 5.4437



4.6315, 3.0815, 20.6006



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4657, 16.7647, 18.5358



29.6027, 27.7192, 30.7154



18.8669, 20.8665, 17.5016



4.3794, 4.3649, 4.8024



9.2147, 4.7056, 2.4546



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.3337, 17.0712, 22.8563 looks on a white background.

Color Contrast Check

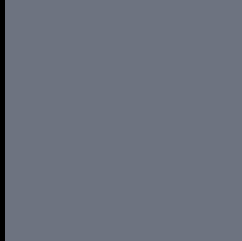
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3337, 17.0712, 22.8563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

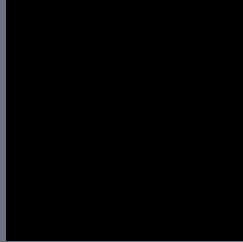
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

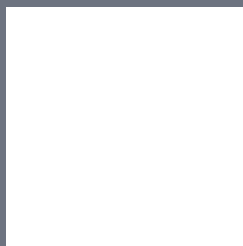
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3337, 17.0712, 22.8563

Background



This preview shows how black text looks on a background with the XYZ color 16.3337, 17.0712, 22.8563.

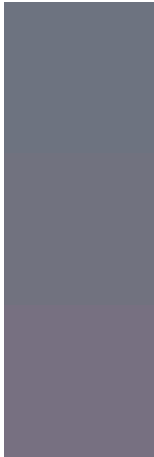


This preview shows how white text looks on a background with the XYZ color 16.3337, 17.0712,

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

16.3337, 17.0712, 22.8563

Protanopia

16.6581, 17.0776, 22.4970

Deuteranopia

17.3644, 17.0953, 23.1534



Tritanopia

16.1314, 17.1596, 21.8640

Trichromacy



Original Color

16.3337, 17.0712, 22.8563

Protanomaly

16.5302, 17.0117, 22.4910

Deuteranomaly

16.9378, 17.0401, 23.1652

Tritanomaly

16.1956, 17.1853, 22.2022

Monochromacy



Original Color

16.3337, 17.0712, 22.8563

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.3310, 17.1282, 20.2146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3337, 17.0712, 22.8563 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(109, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(109, 115, 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(109, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 115, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.3337, 17.0712, 22.8563 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(109, 115, 128) }
```


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

```
.border{ border-color:rgb(109, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(109, 115,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3337, 17.0712, 22.8563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 115, 128) }
```

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

```
.background{ background-color: rgb(109,  
115, 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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