

Converting Colors

XYZ(17.6975, 16.1096, 22.4270)

Have a look what the booklet for
XYZ(17.6975, 16.1096, 22.4270)
contains.

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Color

**XYZ(17.8499, 16.2509,
22.6180)**

Conversions

Conversions Part 1

Format	Color
Hex	806980
RGB	128, 105, 128
RGB Percent	50%, 41%, 50%
CMY	0.4980, 0.5882, 0.4980
CMYK	0.00, 0.18, 0.00, 0.50
HSL	300°, 10%, 46%
HSV	300°, 18%, 50%
XYZ	17.8499, 16.2509, 22.6180
YIQ	114.4990, 6.3250, 12.0290

Conversions

Conversions Part 2

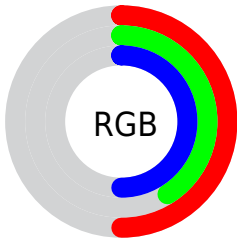
Format	Color
R_{YB}	128, 105, 128
Decimal	8415616
CIE _{Lab}	47.30, 13.48, -9.31
CIE _{LCh}	47, 16.379, 325.375
Yxy	16.2509, 0.3147, 0.2865
Android (android.graphics.Color)	4286605696 (0xFF806980)
YUV	114.4990, 6.6560, 11.8404
Hunter-Lab	40.3124, 8.4912, -5.0470

Details

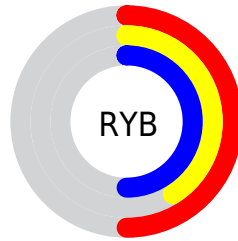
The XYZ color **17.8499, 16.2509, 22.6180** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0954, 19.4620, 16.2738**, and the grayscale version is **16.1239, 16.9636, 18.4734**.

A 20% lighter version of the original color is **39.2850, 36.9369, 48.7750**, and **6.1488, 5.2529, 8.0870** is the 20% darker color. If you saturate the color by 10%, you get **16.6432, 13.8373, 22.2160**, and if you desaturate by 10%, it is **19.2538, 19.0584, 23.0861**.

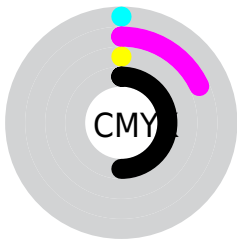
Distribution



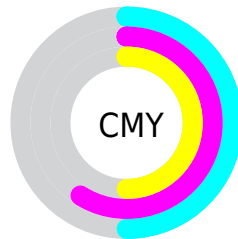
- Red (50%)
- Green (41%)
- Blue (50%)



- Red (50%)
- Yellow (41%)
- Blue (50%)



- Cyan (0%)
- Magenta (18%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (59%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8499, 16.2509, 22.6180 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 17.8499, 16.2509, 22.6180 by changing the saturation by 10% instead.

■ 17.8499, 16.2509,
22.6180

■ 17.8499, 16.2509,
22.6180

233.0856,
230.8177, 278.8149

■ 10.9413, 9.7019,
14.1091

■ 39.3135, 37.0332,
48.6805

■ 6.0944, 5.2017,
8.0569

■ 54.5992, 52.0353,
67.0712

■ 2.9438, 2.3661,
4.0431

■ 73.4080, 70.6239,
89.5929

■ 1.1241, 0.8084,
1.6490

■ 96.1052, 93.1833,
116.6640

■ 0.0451, 0.0000,
0.3254

123.0562,
120.0980, 148.7033

■ 0.0000, 0.0000,
0.0000

154.6264,

151.7524, 186.1292

191.1811,
188.5308, 229.3602

■ 17.8499, 16.2509,
22.6180

■ 17.8499, 16.2509,
22.6180

■ 16.6432, 13.8373,
22.2160

■ 19.2538, 19.0584,
23.0861

■ 15.6236, 11.7981,
21.8761

■ 20.8617, 22.2741,
23.6221

■ 14.7820, 10.1150,
21.5956

■ 22.6817, 25.9141,
24.2288

■ 14.1084, 8.7677,
21.3710

■ 24.7212, 29.9932,
24.9086

■ 13.5914, 7.7338,
21.1987

■ 26.9873, 34.5252,
25.6639

■ 13.2184, 6.9878,
21.0744

■ 29.4864, 39.5234,
26.4970

■ 12.9748, 6.5008,
20.9932

■ 32.2251, 45.0008,
27.4099

■ 12.8265, 6.2041,
20.9438

■ 35.2095, 50.9695,
28.4047

■ 12.7982, 6.1476,
20.9344

■ 38.4455, 57.4414,
29.4833

Harmonies

Analogous

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



16.6690, 16.2509, 25.9124



17.8499, 16.2509, 22.6180



18.3878, 16.2509, 18.3447

Triad

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



17.8499, 16.2509, 22.6180



15.6714, 16.2509, 10.8825



13.0666, 16.2509, 21.3326

Complementary

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



17.8499, 16.2509, 22.6180



16.0954, 19.4620, 16.2738

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.



12.8360, 16.2509, 17.0598



17.8499, 16.2509, 22.6180



14.2844, 16.2509, 11.4285

Square

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



17.8499, 16.2509, 22.6180



17.0811, 16.2509, 11.9152



13.2682, 16.2509, 13.5429



13.9187, 16.2509, 25.0928

Rectangle

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



17.8499, 16.2509, 22.6180



18.2863, 16.2509, 15.6652



13.2682, 16.2509, 13.5429



12.9161, 16.2509, 19.8918

Sweetspot

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



17.8504, 16.2516, 22.6184



34.6689, 35.0947, 40.9030



14.8135, 14.7441, 22.4874



8.0790, 8.1407, 9.5639



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.



17.8504, 16.2516, 22.6184



30.4213, 26.5997, 39.4871



17.1583, 15.9748, 18.9734



4.4982, 4.4124, 5.4279



12.6902, 6.0958, 20.7577



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5041, 15.7131, 15.5287



27.5428, 25.4483, 24.3289



16.7047, 19.7057, 19.4824



4.3278, 4.3443, 4.5306



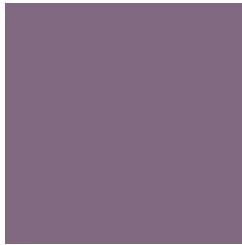
8.8271, 4.5505, 0.4131



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.8499, 16.2509, 22.6180 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 17.8499, 16.2509, 22.6180 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 17.8499, 16.2509, 22.6180

Background



This preview shows how black text looks on a background with the XYZ color 17.8499, 16.2509, 22.6180.



This preview shows how white text looks on a background with the XYZ color 17.8499, 16.2509,

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

17.8499, 16.2509, 22.6180

Protanopia

16.0336, 16.2230, 24.1161

Deuteranopia

16.5019, 16.1826, 22.3325



Tritanopia

17.0143, 16.2120, 18.7555

Trichromacy



Original Color

17.8499, 16.2509, 22.6180

Protanomaly

16.6356, 16.2208, 23.7269

Deuteranomaly

16.9391, 16.2505, 22.3225

Tritanomaly

17.2966, 16.1762, 19.9800

Monochromacy



Original Color

17.8499, 16.2509, 22.6180

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8203, 16.7180, 20.1097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8499, 16.2509, 22.6180 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(128, 105, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 105, 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(128, 105, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 105, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.8499, 16.2509, 22.6180 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(128, 105, 128) }
```


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

```
.border{ border-color:rgb(128, 105, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 105, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 105, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 105, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 105,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8499, 16.2509, 22.6180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 105, 128) }
```

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

```
.background{ background-color: rgb(128,  
105, 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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