

Converting Colors

XYZ(16.2333, 17.9233, 20.2513)

Have a look what the booklet for
XYZ(16.2333, 17.9233, 20.2513)
contains.

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Color

**XYZ(16.2910, 17.9772,
20.3806)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7878
RGB	108, 120, 120
RGB Percent	42%, 47%, 47%
CMY	0.5765, 0.5294, 0.5294
CMYK	0.10, 0.00, 0.00, 0.53
HSL	180°, 5%, 45%
HSV	180°, 10%, 47%
XYZ	16.2910, 17.9772, 20.3806
YIQ	116.4120, -7.1520, -2.5440

Conversions

Conversions Part 2

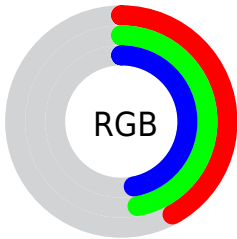
Format	Color
R_{YB}	108, 114, 120
Decimal	7108728
CIE _{Lab}	49.47, -4.45, -1.53
CIE _{LCh}	49, 4.706, 198.965
Yxy	17.9772, 0.2981, 0.3290
Android (android.graphics.Color)	4285298808 (0xFF6C7878)
YUV	116.4120, 1.7689, -7.3773
Hunter-Lab	42.3995, -5.6148, 1.1802

Details

The XYZ color **16.2910, 17.9772, 20.3806** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8158, 15.8014, 16.4047**, and the grayscale version is **16.7237, 17.5947, 19.1606**.

A 20% lighter version of the original color is **36.4970, 39.8545, 44.7988**, and **5.3505, 6.0633, 7.0192** is the 20% darker color. If you saturate the color by 10%, you get **14.9309, 17.2765, 20.3166**, and if you desaturate by 10%, it is **17.8531, 18.7830, 20.4548**.

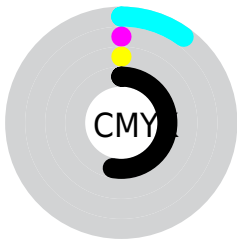
Distribution



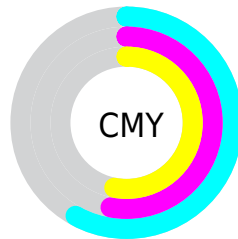
- Red (42%)
- Green (47%)
- Blue (47%)



- Red (42%)
- Yellow (45%)
- Blue (47%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (58%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2910, 17.9772, 20.3806 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 16.2910, 17.9772, 20.3806 by changing the saturation by 10% instead.

■ 16.2910, 17.9772,
20.3806

■ 16.2910, 17.9772,
20.3806

224.2896,
240.7425, 266.6402

■ 9.8225, 10.9336,
12.4852

■ 36.6560, 39.9985,
44.9217

■ 5.3428, 6.0222,
6.9485

■ 51.2833, 55.7450,
62.4045

■ 2.4866, 2.8586,
3.3519

■ 69.3607, 75.1612,
83.9201

■ 0.8885, 1.0584,
1.2770

■ 91.2538, 98.6316,
109.8871

■ 0.0000, 0.0000,
0.0429

117.3279,
126.5405, 140.7241

■ 0.0000, 0.0000,
0.0000

147.9483,

159.2724, 176.8496

183.4804,
197.2116, 218.6821

■ 16.2910, 17.9772,
20.3806

■ 16.2910, 17.9772,
20.3806

■ 14.9309, 17.2765,
20.3166

■ 17.8531, 18.7830,
20.4548

■ 13.7630, 16.6745,
20.2613

■ 19.6233, 19.6955,
20.5383

■ 12.7792, 16.1673,
20.2146

■ 21.6094, 20.7194,
20.6319

■ 11.9700, 15.7502,
20.1760

■ 23.8183, 21.8581,
20.7360

■ 11.3253, 15.4178,
20.1452

■ 26.2567, 23.1151,
20.8508

■ 10.8338, 15.1645,
20.1215

■ 28.9309, 24.4937,
20.9766

■ 10.4828, 14.9836,
20.1044

■ 31.8470, 25.9970,
21.1137

■ 10.2576, 14.8675,
20.0932

■ 35.0109, 27.6280,
21.2625

■ 10.1059, 14.7893,
20.0854

■ 38.4282, 29.3897,
21.4231

Harmonies

Analogous

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



16.2614, 17.9772, 19.1092



16.2910, 17.9772, 20.3806



16.5317, 17.9772, 21.4796

Triad

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



16.2910, 17.9772, 20.3806



17.7398, 17.9772, 21.2259



17.2509, 17.9772, 17.2681

Complementary

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



16.2910, 17.9772, 20.3806



15.8158, 15.8014, 16.4047

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.



17.6542, 17.9772, 17.7848



16.2910, 17.9772, 20.3806



17.9397, 17.9772, 20.0465

Square

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



16.2910, 17.9772, 20.3806



17.3661, 17.9772, 21.9820



17.9081, 17.9772, 18.7892



16.8105, 17.9772, 17.3488

Rectangle

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



16.2910, 17.9772, 20.3806



16.7818, 17.9772, 21.9493



17.9081, 17.9772, 18.7892



17.3955, 17.9772, 17.3767

Sweetspot

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



16.2915, 17.9780, 20.3810



30.5166, 32.5794, 35.9328



15.6325, 17.7172, 16.7835



7.1843, 7.6963, 8.5135



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.2915, 17.9780, 20.3810



28.0730, 31.3197, 35.8173



15.6149, 16.6246, 20.1561



4.1070, 4.5124, 5.0975



11.0243, 16.1334, 21.9108



52.5868, 76.9578, 104.5149

Inverse Universe

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



15.8158, 15.8014, 16.4047



27.0598, 26.6844, 27.3490



16.4480, 17.0660, 16.6148



3.9983, 4.0151, 4.1889



8.4503, 4.3563, 0.3961



40.3083, 20.7797, 1.8877

Previews

White Background



This preview shows how the XYZ color 16.2910, 17.9772, 20.3806 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 16.2910, 17.9772, 20.3806 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

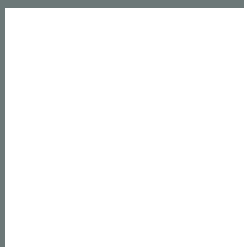
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2910, 17.9772, 20.3806

Background



This preview shows how black text looks on a background with the XYZ color 16.2910, 17.9772, 20.3806.



This preview shows how white text looks on a background with the XYZ color 16.2910, 17.9772,

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

16.2910, 17.9772, 20.3806

Protanopia

17.2391, 17.9525, 19.6961

Deuteranopia

18.2209, 17.9271, 20.5891



Tritanopia

16.7998, 18.0034, 23.0116

Trichromacy



Original Color

16.2910, 17.9772, 20.3806

Protanomaly

16.8784, 17.9336, 20.0247

Deuteranomaly

17.4423, 17.8643, 20.6180

Tritanomaly

16.6052, 17.9255, 21.9868

Monochromacy



Original Color

16.2910, 17.9772, 20.3806

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3822, 17.5176, 19.3474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2910, 17.9772, 20.3806 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(108, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(108, 120, 120)  
}
```

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(108, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.2910, 17.9772, 20.3806 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(108, 120, 120) }
```


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

```
.border{ border-color:rgb(108, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(108, 120,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2910, 17.9772, 20.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 120, 120) }
```

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

```
.background{ background-color: rgb(108,  
120, 120) }
```

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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