

Converting Colors

XYZ(17.8015, 17.8047, 20.9454)

Have a look what the booklet for
XYZ(17.8015, 17.8047, 20.9454)
contains.

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Color

**XYZ(17.8120, 17.8776,
20.9243)**

Conversions

Conversions Part 1

Format	Color
Hex	7B737A
RGB	123, 115, 122
RGB Percent	48%, 45%, 48%
CMY	0.5176, 0.5490, 0.5216
CMYK	0.00, 0.07, 0.01, 0.52
HSL	308°, 3%, 47%
HSV	308°, 7%, 48%
XYZ	17.8120, 17.8776, 20.9243
YIQ	118.1900, 2.5210, 3.8730

Conversions

Conversions Part 2

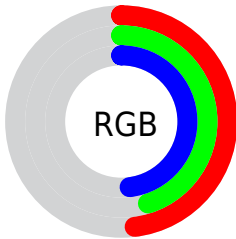
Format	Color
R_{YB}	123, 115, 122
Decimal	8090490
CIE _{Lab}	49.35, 4.46, -2.75
CIE _{LCh}	49, 5.237, 328.369
Yxy	17.8776, 0.3146, 0.3158
Android (android.graphics.Color)	4286280570 (0xFF7B737A)
YUV	118.1900, 1.8783, 4.2184
Hunter-Lab	42.2819, 1.2029, 0.2561

Details

The XYZ color **17.8120, 17.8776, 20.9243** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3063, 19.0722, 19.2932**, and the grayscale version is **17.2736, 18.1732, 19.7906**.

A 20% lighter version of the original color is **39.1379, 39.8074, 45.6652**, and **6.0338, 5.9512, 7.1340** is the 20% darker color. If you saturate the color by 10%, you get **16.4076, 15.2199, 19.9899**, and if you desaturate by 10%, it is **19.4061, 20.9118, 21.9298**.

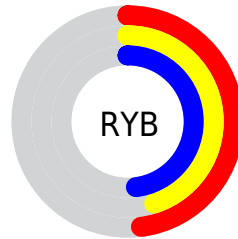
Distribution



Red (48%)

Green (45%)

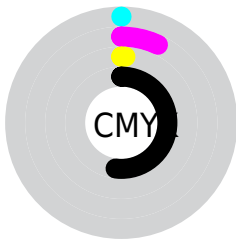
Blue (48%)



Red (48%)

Yellow (45%)

Blue (48%)

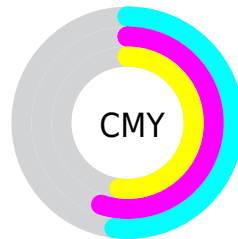


Cyan (0%)

Magenta (7%)

Yellow (1%)

Black (52%)



Cyan (52%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8120, 17.8776, 20.9243 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 17.8120, 17.8776, 20.9243 by changing the saturation by 10% instead.

■ 17.8120, 17.8776,
20.9243

■ 17.8120, 17.8776,
20.9243

232.8754,
240.1802, 269.6437

■ 10.9140, 10.8621,
12.8780

■ 39.2493, 39.8286,
45.8407

■ 6.0759, 5.9742,
7.2148

■ 54.5193, 55.5330,
63.5478

■ 2.9324, 2.8294,
3.5163

■ 73.3107, 74.9025,
85.3123

■ 1.1181, 1.0433,
1.3639

■ 95.9887, 98.3215,
111.5526

■ 0.0402, 0.0000,
0.1134

122.9189,
126.1744, 142.6874

■ 0.0000, 0.0000,
0.0000

154.4665,

158.8455, 179.1352

190.9969,
196.7193, 221.3144

■ 17.8120, 17.8776,
20.9243

■ 17.8120, 17.8776,
20.9243

■ 16.4076, 15.2199,
19.9899

■ 19.4061, 20.9118,
21.9298

■ 15.1840, 12.9216,
19.1229

■ 21.1953, 24.3341,
23.0077

■ 14.1339, 10.9679,
18.3211

■ 23.1868, 28.1584,
24.1604

■ 13.2488, 9.3419,
17.5817

■ 25.3868, 32.3974,
25.3903

■ 12.5196, 8.0253,
16.9016

■ 27.8013, 37.0630,
26.6992

■ 11.9363, 6.9981,
16.2774

■ 30.4362, 42.1667,
28.0891

■ 11.4877, 6.2379,
15.7053

■ 33.2969, 47.7198,
29.5620

■ 11.1608, 5.7189,
15.1809

■ 36.3889, 53.7327,
31.1197

■ 10.9304, 5.3905,
14.6959

■ 39.7173, 60.2160,
32.7638

Harmonies

Analogous

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



17.4465, 17.8776, 21.9532



17.8120, 17.8776, 20.9243



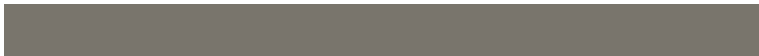
17.9573, 17.8776, 19.5430

Triad

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



17.8120, 17.8776, 20.9243



17.0191, 17.8776, 16.8763



16.1717, 17.8776, 20.7842

Complementary

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



17.8120, 17.8776, 20.9243



17.3063, 19.0722, 19.2932

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.



16.0622, 17.8776, 19.3885



17.8120, 17.8776, 20.9243



16.5457, 17.8776, 17.1735

Square

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



17.8120, 17.8776, 20.9243



17.4941, 17.8776, 17.2447



16.1978, 17.8776, 18.0764



16.4999, 17.8776, 21.8696

Rectangle

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



17.8120, 17.8776, 20.9243



17.9076, 17.8776, 18.6227



16.1978, 17.8776, 18.0764



16.1084, 17.8776, 20.3337

Sweetspot

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



17.8125, 17.8784, 20.9247



33.1254, 34.3496, 38.2559



16.9003, 17.4009, 21.2072



7.8114, 8.1086, 9.0161



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



17.8125, 17.8784, 20.9247



31.4475, 31.1619, 37.1778



17.5737, 17.7829, 19.6672



4.1339, 4.0693, 4.9030



11.2280, 5.4674, 15.0236



53.3435, 25.9938, 70.5303

Inverse Universe

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



17.8125, 17.8784, 20.9247



31.4475, 31.1619, 37.1778



17.5400, 19.1657, 20.5236



4.1339, 4.0693, 4.9030



11.2280, 5.4674, 15.0236



53.3435, 25.9938, 70.5303

Previews

White Background



This preview shows how the XYZ color 17.8120, 17.8776, 20.9243 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 17.8120, 17.8776, 20.9243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

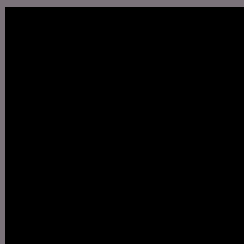
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8120, 17.8776, 20.9243

Background



This preview shows how black text looks on a background with the XYZ color 17.8120, 17.8776, 20.9243.



This preview shows how white text looks on a background with the XYZ color 17.8120, 17.8776,

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

17.8120, 17.8776, 20.9243

Protanopia

17.4077, 18.0042, 21.2966

Deuteranopia

18.1344, 17.8754, 20.9069



Tritanopia

17.9372, 17.9277, 21.5838

Trichromacy



Original Color

17.8120, 17.8776, 20.9243

Protanomaly

17.5663, 17.9139, 21.2708

Deuteranomaly

17.9876, 17.7997, 20.9000

Tritanomaly

17.8743, 17.9025, 21.2523

Monochromacy



Original Color

17.8120, 17.8776, 20.9243

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.4368, 18.0476, 20.0173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8120, 17.8776, 20.9243 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(123, 115, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 115, 122)  
}
```

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(123, 115, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 115, 122) }
```

Border

The CSS property to change the border of an element to XYZ 17.8120, 17.8776, 20.9243 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(123, 115, 122) }
```


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

```
.border{ border-color:rgb(123, 115, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 115, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 115, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 115, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 115,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8120, 17.8776, 20.9243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 115, 122) }
```

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

```
.background{ background-color: rgb(123,  
115, 122) }
```

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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