

Converting Colors

XYZ(18.8572, 17.9310, 20.2364)

Have a look what the booklet for
XYZ(18.8572, 17.9310, 20.2364)
contains.

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Color

**XYZ(18.8572, 17.9310,
20.2364)**

Conversions

Conversions Part 1

Format	Color
Hex	857078
RGB	133, 112, 120
RGB Percent	52%, 44%, 47%
CMY	0.4784, 0.5608, 0.5294
CMYK	0.00, 0.16, 0.10, 0.48
HSL	337°, 9%, 48%
HSV	337°, 16%, 52%
XYZ	18.8572, 17.9310, 20.2364
YIQ	119.1910, 9.9480, 6.9400

Conversions

Conversions Part 2

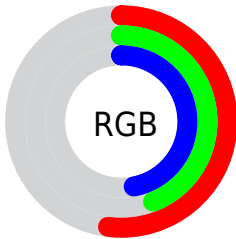
Format	Color
R_{YB}	133, 112, 120
Decimal	8745080
CIE Lab	49.41, 9.67, -1.36
CIE LCh	49, 9.764, 352.019
Yxy	17.9310, 0.3307, 0.3144
Android (android.graphics.Color)	4286935160 (0xFF857078)
YUV	119.1910, 0.3988, 12.1105
Hunter-Lab	42.3450, 5.3864, 1.3072

Details

The XYZ color **18.8572, 17.9310, 20.2364** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7720, 21.7009, 22.6025**, and the grayscale version is **17.5921, 18.5082, 20.1555**.

A 20% lighter version of the original color is **40.9716, 39.9686, 44.5850**, and **6.5704, 5.9737, 6.9376** is the 20% darker color. If you saturate the color by 10%, you get **17.0184, 15.0188, 17.2630**, and if you desaturate by 10%, it is **20.9568, 21.2955, 23.5092**.

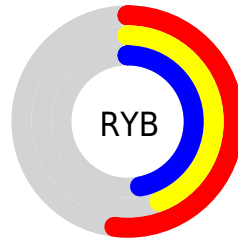
Distribution



Red (52%)

Green (44%)

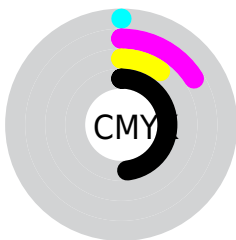
Blue (47%)



Red (52%)

Yellow (44%)

Blue (47%)

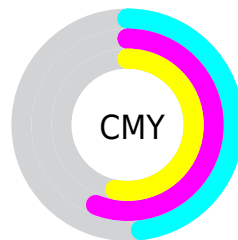


Cyan (0%)

Magenta (16%)

Yellow (10%)

Black (48%)



Cyan (48%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8572, 17.9310, 20.2364 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 18.8572, 17.9310, 20.2364 by changing the saturation by 10% instead.

■ 18.8572, 17.9310,
20.2364

■ 18.8572, 17.9310,
20.2364

238.6126,
240.4818, 265.8385

■ 11.6705, 10.9005,
12.3812

■ 41.0114, 39.9197,
44.6773

■ 6.5903, 5.9999,
6.8782

■ 56.7096, 55.6467,
62.1002

■ 3.2513, 2.8450,
3.3087

■ 75.9758, 75.0412,
83.5493

■ 1.2880, 1.0514,
1.2544

■ 99.1752, 98.4878,
109.4433

■ 0.1742, 0.0000,
0.0239

126.6732,
126.3707, 140.2007

■ 0.0000, 0.0000,
0.0000

158.8352,

159.0745, 176.2400

196.0266,
196.9834, 217.9797

■ 18.8572, 17.9310,
20.2364

■ 18.8572, 17.9310,
20.2364

■ 17.0184, 15.0188,
17.2630

■ 20.9568, 21.2955,
23.5092

■ 15.4283, 12.5373,
14.5791

■ 23.3257, 25.1282,
27.0887

■ 14.0761, 10.4663,
12.1758

■ 25.9736, 29.4470,
30.9835

■ 12.9497, 8.7835,
10.0431

■ 28.9095, 34.2683,
35.2011

■ 12.0357, 7.4640,
8.1708

■ 32.1421, 39.6076,
39.7492

■ 11.3193, 6.4803,
6.5474

■ 35.6793, 45.4797,
44.6349

■ 10.7836, 5.8008,
5.1606

■ 39.5291, 51.8989,
49.8653

■ 10.4026, 5.3757,
3.9948

■ 43.6990, 58.8791,
55.4471

■ 10.2629, 5.2226,
3.5595

■ 48.1964, 66.4333,
61.3869

Harmonies

Analogous

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



18.4770, 17.9310, 22.8137



18.8572, 17.9310, 20.2364



18.7376, 17.9310, 17.6837

Triad

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



18.8572, 17.9310, 20.2364



16.3876, 17.9310, 15.1899



15.9763, 17.9310, 23.7998

Complementary

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



18.8572, 17.9310, 20.2364



18.7720, 21.7009, 22.6025

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.



15.4535, 17.9310, 21.4874



18.8572, 17.9310, 20.2364



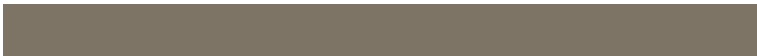
15.6850, 17.9310, 16.5664

Square

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



18.8572, 17.9310, 20.2364



17.2899, 17.9310, 14.9202



15.3488, 17.9310, 18.8281



16.7982, 17.9310, 24.9886

Rectangle

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



18.8572, 17.9310, 20.2364



18.3925, 17.9310, 16.3223



15.3488, 17.9310, 18.8281



15.7610, 17.9310, 23.1187

Sweetspot

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



18.8577, 17.9318, 20.2368



37.7995, 38.5712, 42.5142



18.4786, 17.6389, 24.6212



8.4620, 8.6029, 9.4955



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.8577, 17.9318, 20.2368



32.5167, 30.1190, 34.2376



18.6663, 18.2936, 17.8775



4.7405, 4.7159, 5.2460



9.7793, 4.9761, 3.4100



0.0372, 0.0186, 0.0295

Inverse Universe

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



18.8577, 17.9318, 20.2368



32.5167, 30.1190, 34.2376



18.9723, 21.2506, 25.2923



4.7405, 4.7159, 5.2460



9.7793, 4.9761, 3.4100



0.0372, 0.0186, 0.0295

Previews

White Background



This preview shows how the XYZ color 18.8572, 17.9310, 20.2364 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 18.8572, 17.9310, 20.2364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

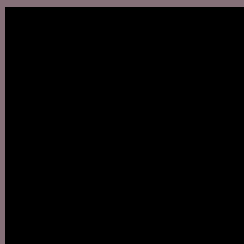
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8572, 17.9310, 20.2364

Background



This preview shows how black text looks on a background with the XYZ color 18.8572, 17.9310, 20.2364.



This preview shows how white text looks on a background with the XYZ color 18.8572, 17.9310,

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

18.8572, 17.9310, 20.2364

Protanopia

17.4077, 18.0042, 21.2966

Deuteranopia

18.3096, 17.9799, 20.2747



Tritanopia

18.9182, 17.9554, 20.5578

Trichromacy



Original Color

18.8572, 17.9310, 20.2364

Protanomaly

17.8120, 17.8776, 20.9243

Deuteranomaly

18.5012, 17.9121, 20.2516

Tritanomaly

18.9182, 17.9554, 20.5578

Monochromacy



Original Color

18.8572, 17.9310, 20.2364

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8873, 18.1078, 20.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8572, 17.9310, 20.2364 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(133, 112, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 112, 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(133, 112, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 112, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.8572, 17.9310, 20.2364 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(133, 112, 120) }
```


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

```
.border{ border-color:rgb(133, 112, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 112, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 112, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 112, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 112,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8572, 17.9310, 20.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 112, 120) }
```

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

```
.background{ background-color: rgb(133,  
112, 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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