

Converting Colors

XYZ(17.8948, 18.5624, 21.2334)

Have a look what the booklet for
XYZ(17.8948, 18.5624, 21.2334)
contains.

XYZ(17.9177, 18.6168, 21.3879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.9177, 18.6168,
21.3879)**

Conversions

Conversions Part 1

Format	Color
Hex	78777B
RGB	120, 119, 123
RGB Percent	47%, 47%, 48%
CMY	0.5294, 0.5333, 0.5176
CMYK	0.02, 0.03, 0.00, 0.52
HSL	255°, 2%, 47%
HSV	255°, 3%, 48%
XYZ	17.9177, 18.6168, 21.3879
YIQ	119.7550, -0.6880, 1.4560

Conversions

Conversions Part 2

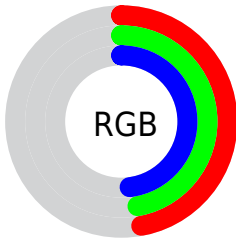
Format	Color
R_{YB}	120, 119, 123
Decimal	7894907
CIE Lab	50.24, 1.19, -2.06
CIE LCh	50, 2.382, 300.092
Yxy	18.6168, 0.3093, 0.3214
Android (android.graphics.Color)	4286084987 (0xFF78777B)
YUV	119.7550, 1.5998, 0.2149
Hunter-Lab	43.1472, -1.3820, 0.8132

Details

The XYZ color **17.9177, 18.6168, 21.3879** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4395, 19.6359, 20.2720**, and the grayscale version is **17.7700, 18.6955, 20.3594**.

A 20% lighter version of the original color is **39.3140, 40.9916, 46.3975**, and **6.1618, 6.3786, 7.3850** is the 20% darker color. If you saturate the color by 10%, you get **15.3287, 15.2483, 20.8744**, and if you desaturate by 10%, it is **20.8207, 22.4295, 21.9711**.

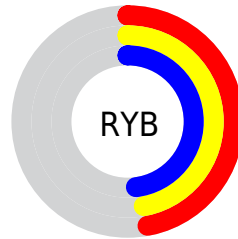
Distribution



Red (47%)

Green (47%)

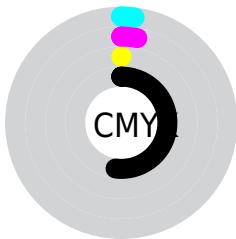
Blue (48%)



Red (47%)

Yellow (47%)

Blue (48%)

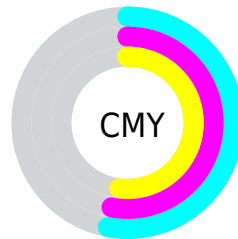


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9177, 18.6168, 21.3879 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 17.9177, 18.6168, 21.3879 by changing the saturation by 10% instead.

■ 17.9177, 18.6168,
21.3879

■ 17.9177, 18.6168,
21.3879

233.4613,
244.3250, 272.1813

■ 10.9902, 11.3937,
13.2138

■ 39.4282, 41.0856,
46.6214

■ 6.1275, 6.3323,
7.4435

■ 54.7420, 57.1000,
64.5178

■ 2.9642, 3.0482,
3.6584

■ 73.5819, 76.8138,
86.4922

■ 1.1348, 1.1569,
1.4399

96.3134, 100.6112,
112.9630

■ 0.0540, 0.0261,
0.1725

123.3017,
128.8766, 144.3488

■ 0.0000, 0.0000,
0.0000

154.9122,

161.9944, 181.0680

191.5103,
200.3491, 223.5394

■ 17.9177, 18.6168,
21.3879

■ 17.9177, 18.6168,
21.3879

■ 15.3287, 15.2483,
20.8744

■ 20.8207, 22.4295,
21.9711

■ 13.0413, 12.3053,
20.4270

■ 24.0462, 26.6993,
22.6253

■ 11.0449, 9.7715,
20.0431

■ 27.6045, 31.4418,
23.3531

■ 9.3273, 7.6284,
19.7200

■ 31.5049, 36.6708,
24.1568

■ 7.8757, 5.8562,
19.4544

■ 35.7562, 42.3997,
25.0386

■ 6.6762, 4.4332,
19.2430

■ 40.3670, 48.6415,
26.0003

■ 5.7133, 3.3356,
19.0819

■ 45.3457, 55.4086,
27.0441

■ 4.9700, 2.5364,
18.9668

■ 50.7002, 62.7128,
28.1717

■ 4.4257, 2.0023,
18.8924

■ 56.4384, 70.5659,
29.3851

Harmonies

Analogous

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



17.6954, 18.6168, 21.5656



17.9177, 18.6168, 21.3879



18.0814, 18.6168, 20.9096

Triad

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



17.9177, 18.6168, 21.3879



17.9165, 18.6168, 19.1908



17.2555, 18.6168, 20.2726

Complementary

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



17.9177, 18.6168, 21.3879



18.4395, 19.6359, 20.2720

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.



17.3136, 18.6168, 19.6447



17.9177, 18.6168, 21.3879



17.6940, 18.6168, 19.0284

Square

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



17.9177, 18.6168, 21.3879



18.0807, 18.6168, 19.6412



17.4736, 18.6168, 19.1928



17.3143, 18.6168, 20.9132

Rectangle

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



17.9177, 18.6168, 21.3879



18.1346, 18.6168, 20.4896



17.4736, 18.6168, 19.1928



17.2620, 18.6168, 20.0531

Sweetspot

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



17.9182, 18.6176, 21.3883



33.1942, 34.7886, 38.5220



18.1513, 19.2880, 21.5054



7.8265, 8.2047, 9.0742



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.



17.9182, 18.6176, 21.3883



31.6718, 32.7968, 38.2178



18.1892, 18.7573, 21.4010



4.1658, 4.3062, 5.0548



4.2691, 1.7736, 19.5026



19.6923, 8.1137, 92.9980

Inverse Universe

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



18.2787, 18.8106, 21.0808



32.4821, 33.2308, 37.5241



18.1683, 19.4961, 20.2593



4.2841, 4.3696, 4.9533



10.4600, 5.1602, 10.9795



49.5419, 24.4731, 50.5109

Previews

White Background



This preview shows how the XYZ color 17.9177, 18.6168, 21.3879 looks on a white 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

Black Background



This preview shows how the XYZ color 17.9177, 18.6168, 21.3879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

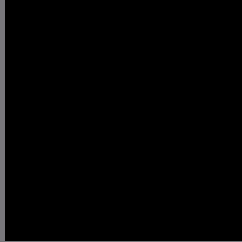
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

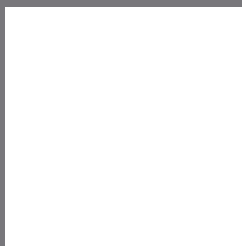
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9177, 18.6168, 21.3879

Background



This preview shows how black text looks on a background with the XYZ color 17.9177, 18.6168, 21.3879.



This preview shows how white text looks on a background with the XYZ color 17.9177, 18.6168,

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

17.9177, 18.6168, 21.3879

Protanopia

18.0571, 18.6887, 21.3945

Deuteranopia

18.9367, 18.6131, 21.6634



Tritanopia

18.2599, 18.5803, 23.0460

Trichromacy

**Original Color**

17.9177, 18.6168, 21.3879

Protanomaly

18.0571, 18.6887, 21.3945

Deuteranomaly

18.6036, 18.6134, 21.6810

Tritanomaly

18.1295, 18.5282, 22.3594

Monochromacy

**Original Color**

17.9177, 18.6168, 21.3879

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9134, 18.8065, 20.7750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9177, 18.6168, 21.3879 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(120, 119, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 123)  
}
```

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(120, 119, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 123) }
```

Border

The CSS property to change the border of an element to XYZ 17.9177, 18.6168, 21.3879 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(120, 119, 123) }
```


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

```
.border{ border-color:rgb(120, 119, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9177, 18.6168, 21.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 123) }
```

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

```
.background{ background-color: rgb(120,  
119, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor