

Converting Colors

XYZ(18.0144, 18.9329, 20.4599)

Have a look what the booklet for
XYZ(18.0144, 18.9329, 20.4599)
contains.

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Color

**XYZ(17.9918, 18.8540,
20.4602)**

Conversions

Conversions Part 1

Format	Color
Hex	797878
RGB	121, 120, 120
RGB Percent	47%, 47%, 47%
CMY	0.5255, 0.5294, 0.5294
CMYK	0.00, 0.01, 0.01, 0.53
HSL	0°, 0%, 47%
HSV	0°, 1%, 47%
XYZ	17.9918, 18.8540, 20.4602
YIQ	120.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	121, 120, 120
Decimal	7960696
CIE Lab	50.52, 0.38, 0.13
CIE LCh	51, 0.402, 18.530
Yxy	18.8540, 0.3140, 0.3290
Android (android.graphics.Color)	4286150776 (0xFF797878)
YUV	120.2990, -0.1474, 0.6148
Hunter-Lab	43.4212, -2.0247, 2.4572

Details

The XYZ color **17.9918, 18.8540, 20.4602** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0342, 19.0479, 20.8155**, and the grayscale version is **17.9491, 18.8839, 20.5646**.

A 20% lighter version of the original color is **39.4325, 41.3678, 44.9362**, and **6.2347, 6.5191, 7.0606** is the 20% darker color. If you saturate the color by 10%, you get **15.9422, 15.8565, 16.3801**, and if you desaturate by 10%, it is **20.3183, 22.2563, 25.0910**.

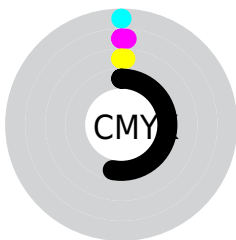
Distribution



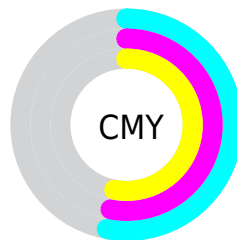
- Red (47%)
- Green (47%)
- Blue (47%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9918, 18.8540, 20.4602 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 17.9918, 18.8540, 20.4602 by changing the saturation by 10% instead.

■ 17.9918, 18.8540,
20.4602

■ 17.9918, 18.8540,
20.4602

233.8713,
245.6416, 267.0818

■ 11.0438, 11.5648,
12.5426

■ 39.5535, 41.4872,
45.0565

■ 6.1638, 6.4481,
6.9874

■ 54.8980, 57.6001,
62.5722

■ 2.9865, 3.1194,
3.3759

■ 73.7719, 77.4230,
84.1245

■ 1.1466, 1.1944,
1.2896

96.5406, 101.3403,
110.1318

■ 0.0636, 0.0571,
0.0533

123.5696,
129.7364, 141.0126

■ 0.0000, 0.0000,
0.0000

155.2241,

162.9957, 177.1855

191.8696,
201.5027, 219.0691

■ 17.9918, 18.8540,
20.4602

■ 17.9918, 18.8540,
20.4602

■ 15.9422, 15.8565,
16.3801

■ 20.3183, 22.2563,
25.0910

■ 14.1577, 13.2464,
12.8289

■ 22.9298, 26.0751,
30.2906

■ 12.6279, 11.0087,
9.7855

■ 25.8361, 30.3247,
36.0779

■ 11.3413, 9.1264,
7.2266

■ 29.0460, 35.0181,
42.4703

■ 10.2853, 7.5812,
5.1273

■ 32.5680, 40.1674,
49.4848

■ 9.4463, 6.3531,
3.4603

■ 36.4100, 45.7846,
57.1375

■ 8.8092, 5.4204,
2.1955

■ 40.5800, 51.8811,
65.4440

■ 8.3571, 4.7580,
1.2991

■ 45.0856, 58.4679,
74.4195

■ 8.0702, 4.3373,
0.7315

■ 49.9339, 65.5557,
84.0783

Harmonies

Analogous

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



17.9942, 18.8540, 20.5718



17.9918, 18.8540, 20.4602



17.9702, 18.8540, 20.3673

Triad

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



17.9918, 18.8540, 20.4602



17.8637, 18.8540, 20.3860



17.9052, 18.8540, 20.7413

Complementary

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



17.9918, 18.8540, 20.4602



18.0342, 19.0479, 20.8155

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.



17.8702, 18.8540, 20.6912



17.9918, 18.8540, 20.4602



17.8463, 18.8540, 20.4859

Square

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



17.9918, 18.8540, 20.4602



17.8962, 18.8540, 20.3246



17.8487, 18.8540, 20.5976



17.9442, 18.8540, 20.7344

Rectangle

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



17.9918, 18.8540, 20.4602



17.9478, 18.8540, 20.3284



17.8487, 18.8540, 20.5976



17.8926, 18.8540, 20.7306

Sweetspot

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



17.9923, 18.8548, 20.4606



32.5443, 34.2392, 37.2864



18.0531, 18.8786, 20.7818



7.4413, 7.8288, 8.5256



59.0181, 62.0916, 67.6177

Same Dimension

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



17.9923, 18.8548, 20.4606



32.1414, 33.6500, 36.4845



18.0523, 18.9748, 20.4806



4.4150, 4.6248, 5.0169



8.4534, 4.3628, 0.3966



40.3147, 20.7929, 1.8886

Inverse Universe

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



18.0342, 19.0479, 20.8155



32.2344, 34.0784, 37.2718



17.9739, 18.9273, 20.7954



4.4263, 4.6769, 5.1126



10.9874, 16.0572, 21.9055



52.4010, 76.5747, 104.4884

Previews

White Background



This preview shows how the XYZ color 17.9918, 18.8540, 20.4602 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 17.9918, 18.8540, 20.4602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

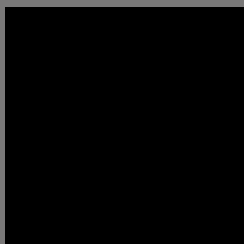
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

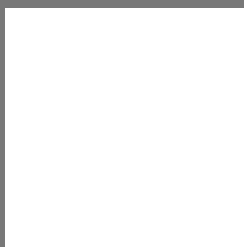
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9918, 18.8540, 20.4602

Background



This preview shows how black text looks on a background with the XYZ color 17.9918, 18.8540, 20.4602.



This preview shows how white text looks on a background with the XYZ color 17.9918, 18.8540,

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

17.9918, 18.8540, 20.4602

Protanopia

18.1327, 18.9266, 20.4668

Deuteranopia

19.0567, 18.6966, 20.6936



Tritanopia

18.5191, 18.8897, 23.0921

Trichromacy



Original Color

17.9918, 18.8540, 20.4602

Protanomaly

18.1327, 18.9266, 20.4668

Deuteranomaly

18.5649, 18.6151, 20.7038

Tritanomaly

18.3245, 18.8119, 22.0673

Monochromacy



Original Color

17.9918, 18.8540, 20.4602

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8524, 18.7821, 20.4537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9918, 18.8540, 20.4602 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(121, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.9918, 18.8540, 20.4602 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(121, 120, 120) }
```

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

```
.border{ border-color:rgb(121, 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(121, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(121, 120,  
120) }
```


Background

The CSS property to change the background color of an element to XYZ 17.9918, 18.8540, 20.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 120, 120) }
```

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

```
.background{ background-color: rgb(121,  
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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