

Converting Colors

XYZ(17.7940, 18.8244, 20.9319)

Have a look what the booklet for
XYZ(17.7940, 18.8244, 20.9319)
contains.

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Color

**XYZ(17.7754, 18.7354,
20.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	777879
RGB	119, 120, 121
RGB Percent	47%, 47%, 47%
CMY	0.5333, 0.5294, 0.5255
CMYK	0.02, 0.01, 0.00, 0.53
HSL	210°, 1%, 47%
HSV	210°, 2%, 47%
XYZ	17.7754, 18.7354, 20.7686
YIQ	119.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
R_{YB}	119, 120, 121
Decimal	7829625
CIE Lab	50.38, -0.17, -0.69
CIE LCh	50, 0.707, 255.946
Yxy	18.7354, 0.3103, 0.3271
Android (android.graphics.Color)	4286019705 (0xFF777879)
YUV	119.8150, 0.5842, -0.7148
Hunter-Lab	43.2844, -2.4440, 1.8507

Details

The XYZ color **17.7754, 18.7354, 20.7686** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9313, 18.8294, 20.1423**, and the grayscale version is **17.7924, 18.7190, 20.3850**.

A 20% lighter version of the original color is **39.0899, 41.1801, 45.4235**, and **6.1185, 6.4554, 7.2269** is the 20% darker color. If you saturate the color by 10%, you get **15.5165, 16.5277, 20.4618**, and if you desaturate by 10%, it is **20.2926, 21.1453, 21.1014**.

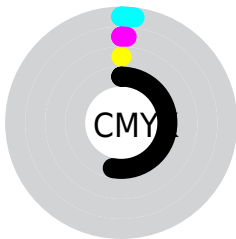
Distribution



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



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



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7754, 18.7354, 20.7686 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 17.7754, 18.7354, 20.7686 by changing the saturation by 10% instead.

■ 17.7754, 18.7354,
20.7686

■ 17.7754, 18.7354,
20.7686

232.6722,
244.9841, 268.7867

■ 10.8876, 11.4792,
12.7654

■ 39.1873, 41.2865,
45.5779

■ 6.0580, 6.3902,
7.1384

■ 54.4421, 57.3502,
63.2210

■ 2.9214, 3.0837,
3.4690

■ 73.2166, 77.1186,
84.9145

■ 1.1123, 1.1756,
1.3388

95.8762, 100.9761,
111.0770

■ 0.0354, 0.0416,
0.0933

122.7862,
129.3069, 142.1268

■ 0.0000, 0.0000,
0.0000

154.3119,

162.4956, 178.4827

190.8188,
200.9266, 220.5632

■ 17.7754, 18.7354,
20.7686

■ 17.7754, 18.7354,
20.7686

■ 15.5165, 16.5277,
20.4618

■ 20.2926, 21.1453,
21.1014

■ 13.5054, 14.5139,
20.1791

■ 23.0748, 23.7603,
21.4595

■ 11.7336, 12.6888,
19.9202

■ 26.1305, 26.5866,
21.8440

■ 10.1911, 11.0461,
19.6844

■ 29.4672, 29.6293,
22.2554

■ 8.8672, 9.5787,
19.4710

■ 33.0922, 32.8932,
22.6943

■ 7.7505, 8.2795,
19.2791

■ 37.0126, 36.3829,
23.1613

■ 6.8283, 7.1405,
19.1078

■ 41.2350, 40.1032,
23.6568

■ 6.0862, 6.1527,
18.9563

■ 45.7660, 44.0583,
24.1814

■ 5.5079, 5.3061,
18.8233

■ 50.6120, 48.2525,
24.7356

Harmonies

Analogous

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



17.7158, 18.7354, 20.6726



17.7754, 18.7354, 20.7686



17.8437, 18.7354, 20.7653

Triad

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



17.7754, 18.7354, 20.7686



17.9347, 18.7354, 20.2960



17.7127, 18.7354, 20.1379

Complementary

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



17.7754, 18.7354, 20.7686



17.9313, 18.8294, 20.1423

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.



17.7712, 18.7354, 20.0383



17.7754, 18.7354, 20.7686



17.8994, 18.7354, 20.1292

Square

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



17.7754, 18.7354, 20.7686



17.9358, 18.7354, 20.4916



17.8395, 18.7354, 20.0351



17.6797, 18.7354, 20.3080

Rectangle

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



17.7754, 18.7354, 20.7686



17.8850, 18.7354, 20.7073



17.8395, 18.7354, 20.0351



17.7301, 18.7354, 20.0951

Sweetspot

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



17.7759, 18.7362, 20.7690



32.5443, 34.2392, 37.2864



17.8335, 18.9522, 20.4771



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.



17.7759, 18.7362, 20.7690



31.6623, 33.3873, 37.1685



17.6599, 18.5042, 20.7303



4.3567, 4.5928, 5.1001



5.4557, 4.9939, 20.0617



25.1729, 22.1183, 95.4123

Inverse Universe

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



17.8725, 18.6149, 20.4214



31.8764, 33.1194, 36.3978



18.0485, 19.0638, 20.1814



4.3827, 4.5602, 5.0063



9.3371, 4.7110, 5.0663



44.1092, 22.3000, 21.9031

Previews

White Background



This preview shows how the XYZ color 17.7754, 18.7354, 20.7686 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 17.7754, 18.7354, 20.7686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

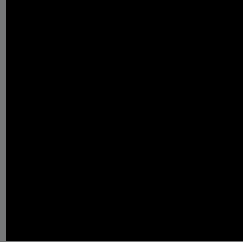
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7754, 18.7354, 20.7686

Background



This preview shows how black text looks on a background with the XYZ color 17.7754, 18.7354, 20.7686.



This preview shows how white text looks on a background with the XYZ color 17.7754, 18.7354,

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

17.7754, 18.7354, 20.7686

Protanopia

18.0741, 18.7117, 20.7483

Deuteranopia

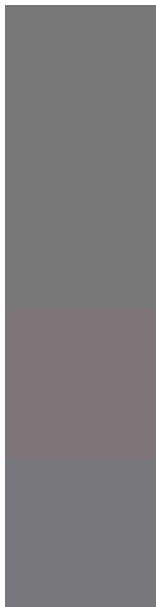
18.9642, 18.6417, 21.0111



Tritanopia

18.2388, 18.7452, 23.0790

Trichromacy



Original Color

17.7754, 18.7354, 20.7686

Protanomaly

17.9332, 18.6391, 20.7417

Deuteranomaly

18.4783, 18.5633, 21.0215

Tritanomaly

18.0442, 18.6674, 22.0542

Monochromacy



Original Color

17.7754, 18.7354, 20.7686

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 17.7754, 18.7354, 20.7686 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(119, 120, 121)` looks like.

```
.text, #text, p{  
    color:rgb(119, 120, 121)  
}
```

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(119, 120, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 120, 121) }
```

Border

The CSS property to change the border of an element to XYZ 17.7754, 18.7354, 20.7686 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(119, 120, 121) }
```

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

```
.border{ border-color:rgb(119, 120, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 120, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 120, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 120, 121);  
box-shadow:4px 4px 4px 4px rgb(119, 120,  
121) }
```


Background

The CSS property to change the background color of an element to XYZ 17.7754, 18.7354, 20.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 120, 121) }
```

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

```
.background{ background-color: rgb(119,  
120, 121) }
```

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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