

Converting Colors

XYZ(18.3788, 19.3388, 20.5185)

Have a look what the booklet for
XYZ(18.3788, 19.3388, 20.5185)
contains.

XYZ(18.3757, 19.4127, 20.5478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(18.3757, 19.4127,
20.5478)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7A78
RGB	122, 122, 120
RGB Percent	48%, 48%, 47%
CMY	0.5216, 0.5216, 0.5294
CMYK	0.00, 0.00, 0.02, 0.52
HSL	60°, 1%, 47%
HSV	60°, 2%, 48%
XYZ	18.3757, 19.4127, 20.5478
YIQ	121.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

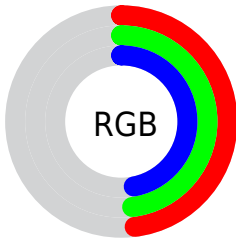
Format	Color
R_{YB}	120, 122, 120
Decimal	8026744
CIE Lab	51.17, -0.40, 1.09
CIE LCh	51, 1.156, 109.997
Yxy	19.4127, 0.3150, 0.3328
Android (android.graphics.Color)	4286216824 (0xFF7A7A78)
YUV	121.7720, -0.8736, 0.2000
Hunter-Lab	44.0598, -2.6591, 3.1913

Details

The XYZ color **18.3757, 19.4127, 20.5478** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.9758, 18.8317, 21.1008**, and the grayscale version is **18.4274, 19.3870, 21.1125**.

A 20% lighter version of the original color is **40.0380, 42.2493, 45.0744**, and **6.2999, 6.6494, 7.0823** is the 20% darker color. If you saturate the color by 10%, you get **17.6799, 19.1347, 16.8933**, and if you desaturate by 10%, it is **19.1669, 19.7301, 24.7001**.

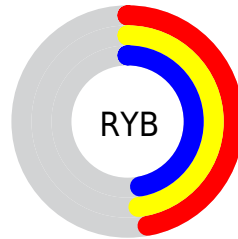
Distribution



Red (48%)

Green (48%)

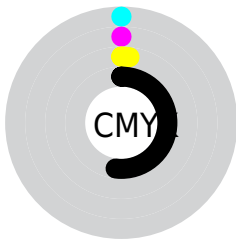
Blue (47%)



Red (47%)

Yellow (48%)

Blue (47%)

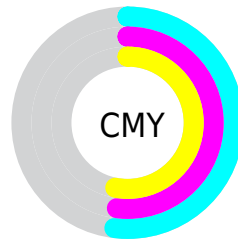


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3757, 19.4127, 20.5478 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 18.3757, 19.4127, 20.5478 by changing the saturation by 10% instead.

■ 18.3757, 19.4127,
20.5478

■ 18.3757, 19.4127,
20.5478

235.9851,
248.7177, 267.5671

■ 11.3214, 11.9689,
12.6058

■ 40.2016, 42.4303,
45.2047

■ 6.3523, 6.7225,
7.0302

■ 55.7038, 58.7729,
62.7567

■ 3.1032, 3.2892,
3.4022

■ 74.7527, 78.8505,
84.3492

■ 1.2085, 1.2845,
1.3035

97.7137, 103.0475,
110.4007

■ 0.1131, 0.1291,
0.0647

124.9521,
131.7483, 141.3296

■ 0.0000, 0.0000,
0.0000

156.8332,

165.3374, 177.5547

193.7224,
204.1991, 219.4943

■ 18.3757, 19.4127,
20.5478

■ 18.3757, 19.4127,
20.5478

■ 17.6799, 19.1347,
16.8933

■ 19.1669, 19.7301,
24.7001

■ 17.0744, 18.8923,
13.7167

■ 20.0554, 20.0857,
29.3666

■ 16.5560, 18.6847,
10.9987

■ 21.0447, 20.4817,
34.5645

■ 16.1207, 18.5103,
8.7181

■ 22.1380, 20.9193,
40.3098

■ 15.7641, 18.3674,
6.8520

■ 23.3381, 21.3996,
46.6178

■ 15.4815, 18.2541,
5.3755

■ 24.6479, 21.9238,
53.5034

■ 15.2676, 18.1682,
4.2612

■ 26.0701, 22.4929,
60.9805

■ 15.1166, 18.1076,
3.4777

■ 27.6072, 23.1080,
69.0631

■ 15.0215, 18.0693,
2.9888

■ 29.2618, 23.7701,
77.7643

Harmonies

Analogous

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



18.4896, 19.4127, 20.5198



18.3757, 19.4127, 20.5478



18.2824, 19.4127, 20.7328

Triad

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



18.3757, 19.4127, 20.5478



18.3095, 19.4127, 21.6258



18.6697, 19.4127, 21.2473

Complementary

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



18.3757, 19.4127, 20.5478



17.9758, 18.8317, 21.1008

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.



18.6210, 19.4127, 21.5467



18.3757, 19.4127, 20.5478



18.4128, 19.4127, 21.7667

Square

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



18.3757, 19.4127, 20.5478



18.2442, 19.4127, 21.3544



18.5269, 19.4127, 21.7376



18.6597, 19.4127, 20.9214

Rectangle

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



18.3757, 19.4127, 20.5478



18.2443, 19.4127, 20.9213



18.5269, 19.4127, 21.7376



18.6597, 19.4127, 21.3544

Sweetspot

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



18.3762, 19.4135, 20.5482



32.5443, 34.2392, 37.2864



18.1333, 18.9270, 20.4671



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.



18.3762, 19.4135, 20.5482



32.2745, 34.1311, 35.8700



18.2356, 19.3410, 20.5416



4.4311, 4.6833, 4.9421



15.7535, 18.9985, 2.8368



75.1397, 90.6214, 13.5314

Inverse Universe

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



17.9758, 18.8317, 21.1008



31.3977, 32.8570, 37.0801



18.1151, 18.9035, 21.1073



4.3244, 4.5282, 5.0893



3.7005, 1.4804, 19.4760



17.6463, 7.0590, 92.9022

Previews

White Background



This preview shows how the XYZ color 18.3757, 19.4127, 20.5478 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 18.3757, 19.4127, 20.5478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

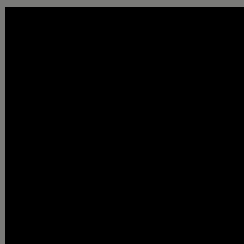
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

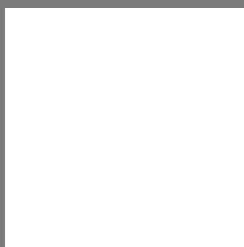
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3757, 19.4127, 20.5478

Background



This preview shows how black text looks on a background with the XYZ color 18.3757, 19.4127, 20.5478.



This preview shows how white text looks on a background with the XYZ color 18.3757, 19.4127,

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

18.3757, 19.4127, 20.5478

Protanopia

18.5397, 19.3159, 20.5205

Deuteranopia

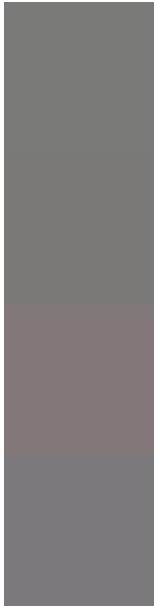
19.7611, 19.4057, 20.7933



Tritanopia

19.0579, 19.3297, 23.8456

Trichromacy



Original Color

18.3757, 19.4127, 20.5478

Protanomaly

18.3959, 19.2418, 20.5138

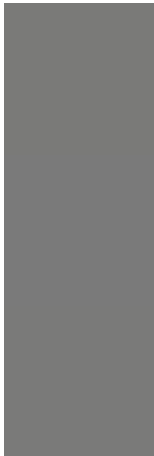
Deuteranomaly

19.2539, 19.3200, 20.8035

Tritanomaly

18.7716, 19.3921, 22.4923

Monochromacy



Original Color

18.3757, 19.4127, 20.5478

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4368, 19.4371, 20.8692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3757, 19.4127, 20.5478 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(122, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 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(122, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.3757, 19.4127, 20.5478 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(122, 122, 120) }
```

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

```
.border{ border-color:rgb(122, 122, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 120);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
120) }
```


Background

The CSS property to change the background color of an element to XYZ 18.3757, 19.4127, 20.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 120) }
```

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

```
.background{ background-color: rgb(122,  
122, 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](#).

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