

Converting Colors

XYZ(18.5378, 19.7875, 19.4430)

Have a look what the booklet for
XYZ(18.5378, 19.7875, 19.4430)
contains.

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Color

**XYZ(18.4037, 19.6378,
19.3435)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7B74
RGB	123, 123, 116
RGB Percent	48%, 48%, 45%
CMY	0.5176, 0.5176, 0.5451
CMYK	0.00, 0.00, 0.06, 0.52
HSL	60°, 3%, 47%
HSV	60°, 6%, 48%
XYZ	18.4037, 19.6378, 19.3435
YIQ	122.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

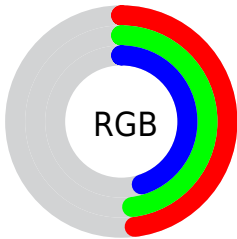
Format	Color
R_{YB}	116, 123, 116
Decimal	8092532
CIE _{Lab}	51.43, -1.36, 3.82
CIE _{LCh}	51, 4.055, 109.647
Yxy	19.6378, 0.3207, 0.3422
Android (android.graphics.Color)	4286282612 (0xFF7B7B74)
YUV	122.2020, -3.0576, 0.6998
Hunter-Lab	44.3146, -3.4200, 5.1398

Details

The XYZ color **18.4037, 19.6378, 19.3435** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0238, 17.6344, 21.2464**, and the grayscale version is **18.5743, 19.5416, 21.2808**.

A 20% lighter version of the original color is **40.0771, 42.6011, 43.1563**, and **6.3162, 6.7708, 6.4428** is the 20% darker color. If you saturate the color by 10%, you get **17.7347, 19.3708, 15.8213**, and if you desaturate by 10%, it is **19.1686, 19.9445, 23.3656**.

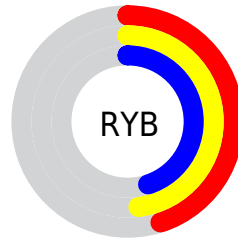
Distribution



Red (48%)

Green (48%)

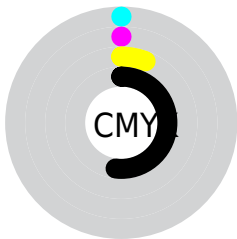
Blue (45%)



Red (45%)

Yellow (48%)

Blue (45%)

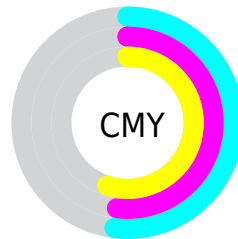


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4037, 19.6378, 19.3435 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 18.4037, 19.6378, 19.3435 by changing the saturation by 10% instead.

■ 18.4037, 19.6378,
19.3435

■ 18.4037, 19.6378,
19.3435

236.1386,
249.9475, 260.8242

■ 11.3416, 12.1320,
11.7394

■ 40.2487, 42.8091,
43.1581

■ 6.3661, 6.8337,
6.4461

■ 55.7624, 59.2434,
60.2058

■ 3.1117, 3.3583,
3.0451

■ 74.8241, 79.4227,
81.2384

■ 1.2131, 1.3215,
1.1177

97.7990, 103.7313,
106.6744

■ 0.1167, 0.1578,
0.0000

125.0525,
132.5538, 136.9325

■ 0.0000, 0.0000,
0.0000

156.9501,

166.2743, 172.4311

193.8570,
205.2774, 213.5888

■ 18.4037, 19.6378,
19.3435

■ 18.4037, 19.6378,
19.3435

■ 17.7347, 19.3708,
15.8213

■ 19.1686, 19.9445,
23.3656

■ 17.1562, 19.1393,
12.7783

■ 20.0312, 20.2896,
27.9047

■ 16.6649, 18.9427,
10.1942

■ 20.9953, 20.6753,
32.9787

■ 16.2564, 18.7792,
8.0467

■ 22.0643, 21.1029,
38.6042

■ 15.9263, 18.6471,
6.3117

■ 23.2409, 21.5737,
44.7973

■ 15.6696, 18.5443,
4.9628

■ 24.5283, 22.0887,
51.5730

■ 15.4805, 18.4686,
3.9704

■ 25.9291, 22.6491,
58.9463

■ 15.3527, 18.4175,
3.3010

■ 27.4460, 23.2559,
66.9311

■ 15.2752, 18.3864,
2.8960

■ 29.0817, 23.9103,
75.5412

Harmonies

Analogous

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



18.8059, 19.6378, 19.2559



18.4037, 19.6378, 19.3435



18.0761, 19.6378, 19.9660

Triad

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



18.4037, 19.6378, 19.3435



18.1638, 19.6378, 23.1330



19.4443, 19.6378, 21.7869

Complementary

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



18.4037, 19.6378, 19.3435



17.0238, 17.6344, 21.2464

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.



19.2669, 19.6378, 22.8639



18.4037, 19.6378, 19.3435



18.5251, 19.6378, 23.6596

Square

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



18.4037, 19.6378, 19.3435



17.9390, 19.6378, 22.1433



18.9290, 19.6378, 23.5594



19.4106, 19.6378, 20.6387

Rectangle

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



18.4037, 19.6378, 19.3435



17.9422, 19.6378, 20.6134



18.9290, 19.6378, 23.5594



19.4072, 19.6378, 22.1699

Sweetspot

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



18.4042, 19.6387, 19.3439



33.4343, 35.3575, 37.1568



17.5668, 17.9632, 19.0647



7.8789, 8.3291, 8.7756



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.



18.4042, 19.6387, 19.3439



32.7677, 35.0908, 33.6495



17.9126, 19.3852, 19.3209



4.3374, 4.6458, 4.4486



15.7710, 19.0075, 2.8376



75.2275, 90.6666, 13.5355

Inverse Universe

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



17.0238, 17.6344, 21.2464



29.6828, 30.6120, 37.9009



17.4977, 17.8787, 21.2686



3.9247, 4.0466, 5.0174



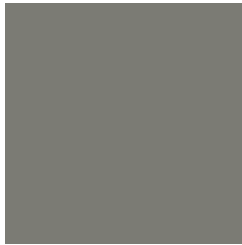
3.6990, 1.4797, 19.4759



17.6432, 7.0574, 92.9021

Previews

White Background



This preview shows how the XYZ color 18.4037, 19.6378, 19.3435 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 18.4037, 19.6378, 19.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

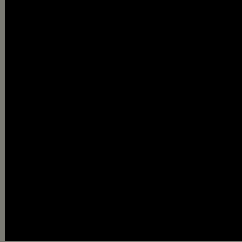
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4037, 19.6378, 19.3435

Background



This preview shows how black text looks on a background with the XYZ color 18.4037, 19.6378, 19.3435.

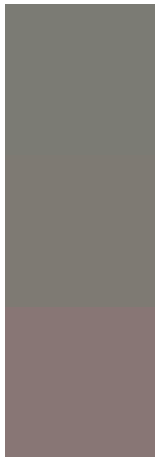


This preview shows how white text looks on a background with the XYZ color 18.4037, 19.6378,

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

18.4037, 19.6378, 19.3435

Protanopia

18.6582, 19.5925, 19.0180

Deuteranopia

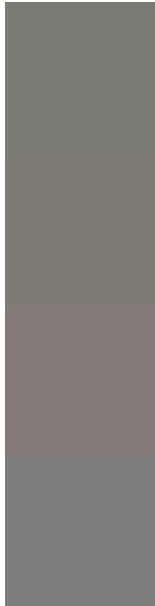
19.8427, 19.4755, 19.5429



Tritanopia

19.3241, 19.6464, 23.8927

Trichromacy



Original Color

18.4037, 19.6378, 19.3435

Protanomaly

18.5115, 19.5168, 19.0111

Deuteranomaly

19.2874, 19.5426, 19.5852

Tritanomaly

18.9734, 19.6848, 22.2016

Monochromacy



Original Color

18.4037, 19.6378, 19.3435

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3757, 19.4127, 20.5478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4037, 19.6378, 19.3435 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(123, 123, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 116)  
}
```

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(123, 123, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 116) }
```

Border

The CSS property to change the border of an element to XYZ 18.4037, 19.6378, 19.3435 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(123, 123, 116) }
```


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

```
.border{ border-color:rgb(123, 123, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 116);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4037, 19.6378, 19.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 116) }
```

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

```
.background{ background-color: rgb(123,  
123, 116) }
```

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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