

Converting Colors

XYZ(23.6616, 18.2220, 18.6241)

Have a look what the booklet for
XYZ(23.6616, 18.2220, 18.6241)
contains.

XYZ(23.5177, 18.1120, 18.4761)	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(23.5177, 18.1120,
18.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	A86173
RGB	168, 97, 115
RGB Percent	66%, 38%, 45%
CMY	0.3412, 0.6196, 0.5490
CMYK	0.00, 0.42, 0.32, 0.34
HSL	345°, 29%, 52%
HSV	345°, 42%, 66%
XYZ	23.5177, 18.1120, 18.4761
YIQ	120.2810, 36.5380, 20.6500

Conversions

Conversions Part 2

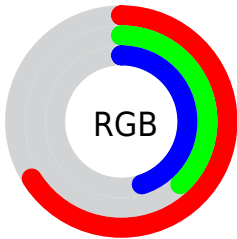
Format	Color
R_{YB}	168, 97, 115
Decimal	11034995
CIE _{Lab}	49.63, 31.00, 2.43
CIE _{LCh}	50, 31.098, 4.487
Yxy	18.1120, 0.3913, 0.3013
Android (android.graphics.Color)	4289225075 (0xFFA86173)
YUV	120.2810, -2.6035, 41.8496
Hunter-Lab	42.5582, 24.1624, 4.0507

Details

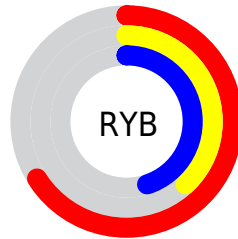
The XYZ color **23.5177, 18.1120, 18.4761** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4383, 32.7492, 33.8891**, and the grayscale version is **17.9429, 18.8773, 20.5574**.

A 20% lighter version of the original color is **48.7738, 40.2925, 41.7658**, and **9.0095, 6.0966, 6.0121** is the 20% darker color. If you saturate the color by 10%, you get **21.4533, 15.0606, 14.4664**, and if you desaturate by 10%, it is **26.0100, 21.8619, 23.1133**.

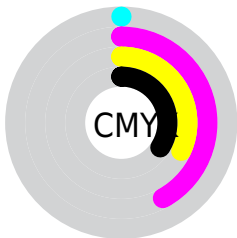
Distribution



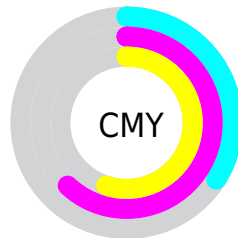
- Red (66%)
- Green (38%)
- Blue (45%)



- Red (66%)
- Yellow (38%)
- Blue (45%)



- Cyan (0%)
- Magenta (42%)
- Yellow (32%)
- Black (34%)



- Cyan (34%)
- Magenta (62%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5177, 18.1120, 18.4761 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 23.5177, 18.1120, 18.4761 by changing the saturation by 10% instead.

■ 23.5177, 18.1120,
18.4761

■ 23.5177, 18.1120,
18.4761

262.8589,
241.5016, 255.8667

■ 15.0990, 11.0304,
11.1194

■ 48.7024, 40.2281,
41.6718

■ 8.9757, 6.0873,
6.0320

■ 66.1992, 56.0314,
58.3478

■ 4.7823, 2.8982,
2.7954

■ 87.4527, 75.5107,
78.9673

■ 2.1535, 1.0788,
0.9912

■ 112.8283, 99.0504,
103.9489

■ 0.7181, 0.0000,
0.0000

142.6914,
127.0350, 133.7111

■ 0.0000, 0.0000,
0.0000

177.4073,

159.8488, 168.6725

217.3414,
197.8762, 209.2515

■ 23.5177, 18.1120,
18.4761

■ 23.5177, 18.1120,
18.4761

■ 21.4533, 15.0606,
14.4664

■ 26.0100, 21.8619,
23.1133

■ 19.7905, 12.6616,
11.0554

■ 28.9516, 26.3473,
28.4029

■ 18.5022, 10.8676,
8.2135

■ 32.3641, 31.6059,
34.3697

■ 17.5572, 9.6233,
5.9081

■ 36.2674, 37.6717,
41.0368

■ 16.9190, 8.8634,
4.1026

■ 40.6800, 44.5771,
48.4262

■ 16.5770, 8.4963,
3.0121

■ 45.6196, 52.3524,
56.5590

■ 51.1031, 61.0265,
65.4554

■ 57.1464, 70.6269,
75.1348

■ 63.7651, 81.1801,
85.6159

Harmonies

Analogous

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



22.8637, 18.1120, 27.5857



23.5177, 18.1120, 18.4761



22.3312, 18.1120, 11.8729

Triad

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



23.5177, 18.1120, 18.4761



14.1963, 18.1120, 9.1257



14.8836, 18.1120, 38.3349

Complementary

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



23.5177, 18.1120, 18.4761



24.4383, 32.7492, 33.8891

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.



12.9466, 18.1120, 30.4340



23.5177, 18.1120, 18.4761



12.5828, 18.1120, 13.5140

Square

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



23.5177, 18.1120, 18.4761



16.7746, 18.1120, 7.5470



12.1527, 18.1120, 21.0204



17.6629, 18.1120, 40.7769

Rectangle

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



23.5177, 18.1120, 18.4761



20.7279, 18.1120, 9.2260



12.1527, 18.1120, 21.0204



14.1232, 18.1120, 36.1370

Sweetspot

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



23.5182, 18.1129, 18.4765



58.0841, 56.3552, 61.2530



23.7499, 17.7733, 39.2249



12.3602, 11.8200, 12.8304



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.5182, 18.1129, 18.4765



39.0395, 27.4897, 26.4693



24.2754, 21.1259, 14.1086



7.6062, 7.5724, 8.2437



12.5363, 6.4233, 2.3700



0.3250, 0.1643, 0.1631

Inverse Universe

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



23.5182, 18.1129, 18.4765



39.0395, 27.4897, 26.4693



23.1349, 27.6422, 41.1622



7.6062, 7.5724, 8.2437



12.5363, 6.4233, 2.3700



0.3250, 0.1643, 0.1631

Previews

White Background



This preview shows how the XYZ color 23.5177, 18.1120, 18.4761 looks on a white background.

Color Contrast Check

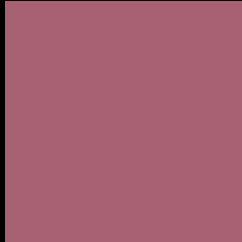
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.5177, 18.1120, 18.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

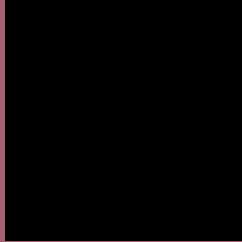
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5177, 18.1120, 18.4761

Background



This preview shows how black text looks on a background with the XYZ color 23.5177, 18.1120, 18.4761.



This preview shows how white text looks on a background with the XYZ color 23.5177, 18.1120,

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

23.5177, 18.1120, 18.4761

Protanopia

17.7804, 18.3407, 22.6817

Deuteranopia

18.4577, 18.1100, 17.8520



Tritanopia

22.9997, 18.1798, 15.9325

Trichromacy



Original Color

23.5177, 18.1120, 18.4761

Protanomaly

19.3044, 17.8162, 21.1603

Deuteranomaly

20.0203, 17.9371, 18.0298

Tritanomaly

23.0643, 18.0550, 16.7373

Monochromacy



Original Color

23.5177, 18.1120, 18.4761

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.3807, 18.2147, 19.6339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5177, 18.1120, 18.4761 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(168, 97, 115)` looks like.

```
.text, #text, p{  
    color:rgb(168, 97, 115)  
}
```

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(168, 97, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 97, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.5177, 18.1120, 18.4761 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(168, 97, 115) }
```


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

```
.border{ border-color:rgb(168, 97, 115) }
```

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

Here you see how a box with a 4 pixel rgb(168, 97, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 97, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 97, 115);  
box-shadow:4px 4px 4px 4px rgb(168, 97,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5177, 18.1120, 18.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 97, 115) }
```

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

```
.background{ background-color: rgb(168, 97,  
115) }
```

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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