

Converting Colors

XYZ(23.4627, 18.4699, 8.0708)

Have a look what the booklet for
XYZ(23.4627, 18.4699, 8.0708)
contains.

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Color

**XYZ(23.3777, 18.4077,
8.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	B06246
RGB	176, 98, 70
RGB Percent	69%, 38%, 27%
CMY	0.3098, 0.6157, 0.7255
CMYK	0.00, 0.44, 0.60, 0.31
HSL	16°, 43%, 48%
HSV	16°, 60%, 69%
XYZ	23.3777, 18.4077, 8.1152
YIQ	118.1300, 55.4760, 7.8280

Conversions

Conversions Part 2

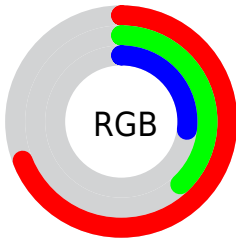
Format	Color
R_{YB}	176, 108, 70
Decimal	11559494
CIE _{Lab}	49.99, 28.85, 29.60
CIE _{LCh}	50, 41.335, 45.741
Yxy	18.4077, 0.4685, 0.3689
Android (android.graphics.Color)	4289749574 (0xFFB06246)
YUV	118.1300, -23.7281, 50.7520
Hunter-Lab	42.9042, 22.1790, 18.8184

Details

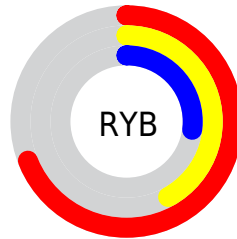
The XYZ color **23.3777, 18.4077, 8.1152** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.9514, 25.6150, 44.9141**, and the grayscale version is **17.3210, 18.2230, 19.8449**.

A 20% lighter version of the original color is **48.4971, 40.8068, 22.7732**, and **8.9238, 6.2733, 1.6602** is the 20% darker color. If you saturate the color by 10%, you get **21.7862, 15.9873, 5.2339**, and if you desaturate by 10%, it is **25.3290, 21.2872, 11.9199**.

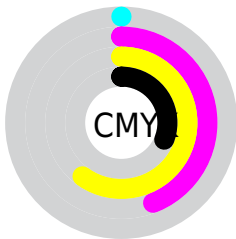
Distribution



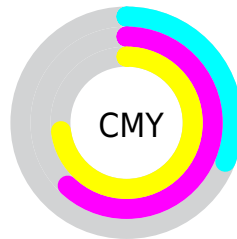
- Red (69%)
- Green (38%)
- Blue (27%)



- Red (69%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (44%)
- Yellow (60%)
- Black (31%)





- Cyan (31%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3777, 18.4077, 8.1152 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 23.3777, 18.4077, 8.1152 by changing the saturation by 10% instead.


 23.3777, 18.4077,
8.1152


 23.3777, 18.4077,
8.1152


262.1583,
243.1591, 186.6010


 14.9949, 11.2431,
4.0799


 48.4749, 40.7308,
22.7339


 8.9021, 6.2306,
1.6693


 65.9199, 56.6581,
34.1543


 4.7340, 2.9858,
0.3396

 87.1165, 76.2751,
48.8736

 2.1252, 1.1243,
0.0000

 112.4298, 99.9662,
67.3102

 0.7028, 0.0000,
0.0000

 142.2253,
128.1157, 89.8827

 0.0000, 0.0000,
0.0000

176.8683,

161.1081, 117.0097

216.7242,
199.3278, 149.1096

■ 23.3777, 18.4077,
8.1152

■ 23.3777, 18.4077,
8.1152

■ 21.7862, 15.9873,
5.2339

■ 25.3290, 21.2872,
11.9199

■ 20.5290, 13.9986,
3.1946

■ 27.6604, 24.6458,
16.7180

■ 19.5791, 12.4151,
1.9030

■ 30.3923, 28.5055,
22.5738

■ 18.9010, 11.2233,
1.1701

■ 33.5430, 32.8861,
29.5459

■ 37.1299, 37.8065,
37.6885

■ 41.1692, 43.2844,
47.0523

■ 45.6762, 49.3367,
57.6850

■ 50.6656, 55.9797,
69.6318

■ 56.1513, 63.2290,
82.9356

Harmonies

Analogous

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



25.9126, 18.4077, 14.6814



23.3777, 18.4077, 8.1152



19.4429, 18.4077, 5.4505

Triad

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



23.3777, 18.4077, 8.1152



11.0955, 18.4077, 15.1292



19.6479, 18.4077, 49.2791

Complementary

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



23.3777, 18.4077, 8.1152



20.9514, 25.6150, 44.9141

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.



15.6836, 18.4077, 49.5458



23.3777, 18.4077, 8.1152



11.1332, 18.4077, 26.5725

Square

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



23.3777, 18.4077, 8.1152



12.5819, 18.4077, 8.3357



12.6941, 18.4077, 40.1125



23.5473, 18.4077, 39.4817

Rectangle

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



23.3777, 18.4077, 8.1152



16.7440, 18.4077, 5.2174



12.6941, 18.4077, 40.1125



18.2701, 18.4077, 50.5832

Sweetspot

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



23.3781, 18.4087, 8.1155



62.0178, 61.2741, 56.2428



25.5595, 15.7964, 30.3454



13.0607, 12.7553, 11.3364



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3781, 18.4087, 8.1155



38.7594, 27.8209, 8.2165



29.8367, 31.3257, 10.2684



8.6729, 8.8583, 8.9052



13.9100, 8.3185, 0.8725



0.4865, 0.3593, 0.0437

Inverse Universe

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



20.9514, 25.6150, 44.9141



33.8702, 41.8360, 80.7853



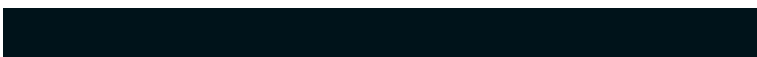
14.5910, 12.8941, 42.7939



8.5489, 9.2441, 10.8400



11.6079, 14.0162, 32.2306



0.4098, 0.5301, 1.0290

Previews

White Background



This preview shows how the XYZ color 23.3777, 18.4077, 8.1152 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 23.3777, 18.4077, 8.1152 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 23.3777, 18.4077, 8.1152

Background



This preview shows how black text looks on a background with the XYZ color 23.3777, 18.4077, 8.1152.



This preview shows how white text looks on a background with the XYZ color 23.3777, 18.4077,

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

23.3777, 18.4077, 8.1152

Protanopia

17.1779, 18.4895, 9.8712

Deuteranopia

18.8845, 18.5509, 7.8955



Tritanopia

24.7118, 18.4100, 14.5629

Trichromacy



Original Color

23.3777, 18.4077, 8.1152

Protanomaly

18.9871, 18.0799, 9.1457

Deuteranomaly

20.3106, 18.3106, 7.9327

Tritanomaly

24.0691, 18.2697, 11.9307

Monochromacy



Original Color

23.3777, 18.4077, 8.1152

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.6809, 17.7974, 14.7626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3777, 18.4077, 8.1152 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(176, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 98, 70)  
}
```

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(176, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 98, 70) }
```

Border

The CSS property to change the border of an element to XYZ 23.3777, 18.4077, 8.1152 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(176, 98, 70) }
```


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

```
.border{ border-color:rgb(176, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(176, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 98,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3777, 18.4077, 8.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 98, 70) }
```

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

```
.background{ background-color: rgb(176, 98,  
70) }
```

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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