

Converting Colors

XYZ(23.3430, 18.1908, 8.0140)

Have a look what the booklet for
XYZ(23.3430, 18.1908, 8.0140)
contains.

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Color

**XYZ(23.2847, 18.2217,
8.0843)**

Conversions

Conversions Part 1

Format	Color
Hex	B06146
RGB	176, 97, 70
RGB Percent	69%, 38%, 27%
CMY	0.3098, 0.6196, 0.7255
CMYK	0.00, 0.45, 0.60, 0.31
HSL	15°, 43%, 48%
HSV	15°, 60%, 69%
XYZ	23.2847, 18.2217, 8.0843
YIQ	117.5430, 55.7510, 8.3510

Conversions

Conversions Part 2

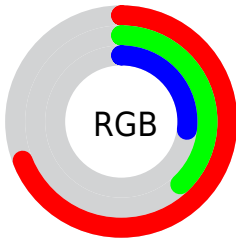
Format	Color
R_{YB}	176, 106, 70
Decimal	11559238
CIE _{Lab}	49.76, 29.39, 29.33
CIE _{LCh}	50, 41.520, 44.934
Yxy	18.2217, 0.4695, 0.3674
Android (android.graphics.Color)	4289749318 (0xFFB06146)
YUV	117.5430, -23.4387, 51.2668
Hunter-Lab	42.6869, 22.6655, 18.6521

Details

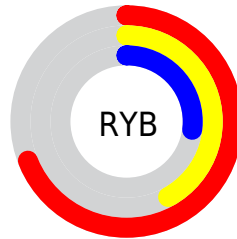
The XYZ color **23.2847, 18.2217, 8.0843** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.1091, 25.9302, 44.9666**, and the grayscale version is **17.1363, 18.0287, 19.6332**.

A 20% lighter version of the original color is **48.3382, 40.4890, 22.7202**, and **8.8402, 6.1060, 1.6324** is the 20% darker color. If you saturate the color by 10%, you get **21.6951, 15.8051, 5.2036**, and if you desaturate by 10%, it is **25.2384, 21.1062, 11.8898**.

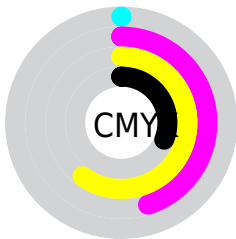
Distribution



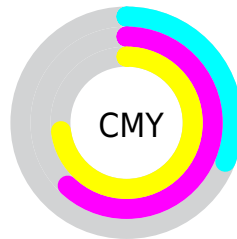
- Red (69%)
- Green (38%)
- Blue (27%)



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



- Cyan (0%)
- Magenta (45%)
- Yellow (60%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2847, 18.2217, 8.0843 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 23.2847, 18.2217, 8.0843 by changing the saturation by 10% instead.


 23.2847, 18.2217,
8.0843


 23.2847, 18.2217,
8.0843


261.6920,
242.1177, 186.3510


 14.9257, 11.1093,
4.0604


 48.3236, 40.4147,
22.6724


 8.8532, 6.1404,
1.6585


 65.7342, 56.2641,
34.0737

 4.7019, 2.9306,
0.3321

 86.8928, 75.7946,
48.7713

 2.1064, 1.0956,
0.0000

 112.1647, 99.3907,
67.1835

 0.6927, 0.0000,
0.0000

 141.9152,
127.4366, 89.7291

 0.0000, 0.0000,
0.0000

176.5096,

160.3168, 116.8265

216.3135,
198.4157, 148.8943

■ 23.2847, 18.2217,
8.0843

■ 23.2847, 18.2217,
8.0843

■ 21.6951, 15.8051,
5.2036

■ 25.2384, 21.1062,
11.8898

■ 20.4437, 13.8279,
3.1662

■ 27.5771, 24.4791,
16.6904

■ 19.5030, 12.2628,
1.8776

■ 30.3212, 28.3633,
22.5503

■ 18.8366, 11.0945,
1.1486

■ 33.4897, 32.7794,
29.5283

■ 37.0999, 37.7465,
37.6787

■ 41.1686, 43.2831,
47.0523

■ 45.7112, 49.4066,
57.6970

■ 50.7427, 56.1338,
69.6578

■ 56.2773, 63.4808,
82.9779

Harmonies

Analogous

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



25.7624, 18.2217, 14.7367



23.2847, 18.2217, 8.0843



19.3736, 18.2217, 5.3586

Triad

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



23.2847, 18.2217, 8.0843



10.9607, 18.2217, 14.6972



19.3555, 18.2217, 49.2299

Complementary

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



23.2847, 18.2217, 8.0843



21.1091, 25.9302, 44.9666

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.



15.4154, 18.2217, 49.2063



23.2847, 18.2217, 8.0843



10.9574, 18.2217, 26.0042

Square

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



23.2847, 18.2217, 8.0843



12.4808, 18.2217, 8.0649



12.4710, 18.2217, 39.5594



23.2697, 18.2217, 39.6153

Rectangle

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



23.2847, 18.2217, 8.0843



16.6728, 18.2217, 5.0842



12.4710, 18.2217, 39.5594



17.9821, 18.2217, 50.4411

Sweetspot

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



23.2851, 18.2226, 8.0846



61.9282, 61.0948, 56.2129



25.5595, 15.7965, 30.3454



13.0389, 12.7118, 11.3292



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.



23.2851, 18.2226, 8.0846



38.5965, 27.4952, 8.1622



29.8367, 31.3258, 10.2685



8.6665, 8.8455, 8.9031



13.8617, 8.2219, 0.8564



0.4839, 0.3541, 0.0428

Inverse Universe

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



21.1091, 25.9302, 44.9666



34.2002, 42.4960, 80.8953



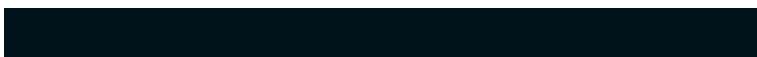
14.5910, 12.8942, 42.7939



8.5557, 9.2577, 10.8423



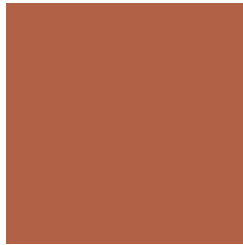
11.7696, 14.3395, 32.2845



0.4138, 0.5382, 1.0303

Previews

White Background



This preview shows how the XYZ color 23.2847, 18.2217, 8.0843 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 23.2847, 18.2217, 8.0843 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 23.2847, 18.2217, 8.0843

Background



This preview shows how black text looks on a background with the XYZ color 23.2847, 18.2217, 8.0843.



This preview shows how white text looks on a background with the XYZ color 23.2847, 18.2217,

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

23.2847, 18.2217, 8.0843

Protanopia

17.0252, 18.4108, 9.8640

Deuteranopia

18.5953, 18.2352, 7.8499



Tritanopia

24.5747, 18.2138, 14.2770

Trichromacy



Original Color

23.2847, 18.2217, 8.0843

Protanomaly

18.8085, 17.9879, 9.1373

Deuteranomaly

20.0114, 18.0007, 7.8886

Tritanomaly

23.9373, 18.0738, 11.6781

Monochromacy



Original Color

23.2847, 18.2217, 8.0843

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.5724, 17.5804, 14.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2847, 18.2217, 8.0843 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, 97, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 97, 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, 97, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 97, 70) }
```

Border

The CSS property to change the border of an element to XYZ 23.2847, 18.2217, 8.0843 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, 97, 70) }
```


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

```
.border{ border-color:rgb(176, 97, 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, 97, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 97, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 97, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 97,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2847, 18.2217, 8.0843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 97, 70) }
```

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

```
.background{ background-color: rgb(176, 97,  
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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