

Converting Colors

XYZ(23.7596, 18.9162, 6.8138)

Have a look what the booklet for
XYZ(23.7596, 18.9162, 6.8138)
contains.

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Color

**XYZ(23.7596, 18.9162,
6.8138)**

Conversions

Conversions Part 1

Format	Color
Hex	B2643D
RGB	178, 100, 61
RGB Percent	70%, 39%, 24%
CMY	0.3020, 0.6078, 0.7608
CMYK	0.00, 0.44, 0.66, 0.30
HSL	20°, 49%, 47%
HSV	20°, 66%, 70%
XYZ	23.7596, 18.9162, 6.8138
YIQ	118.8760, 59.0070, 4.4070

Conversions

Conversions Part 2

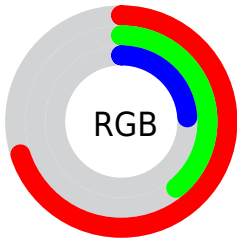
Format	Color
R _Y B	178, 120, 61
Decimal	11691069
CIE Lab	50.59, 27.95, 35.41
CIE LCh	51, 45.107, 51.712
Yxy	18.9162, 0.4801, 0.3822
Android (android.graphics.Color)	4289881149 (0xFFB2643D)
YUV	118.8760, -28.5329, 51.8517
Hunter-Lab	43.4928, 21.4002, 21.1563

Details

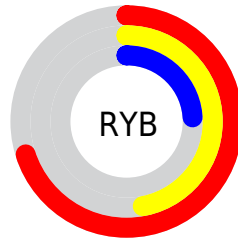
The XYZ color **23.7596, 18.9162, 6.8138** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.1925, 22.6706, 45.4837**, and the grayscale version is **17.5701, 18.4851, 20.1303**.

A 20% lighter version of the original color is **49.3026, 41.7594, 20.2137**, and **9.0599, 6.4835, 1.2259** is the 20% darker color. If you saturate the color by 10%, you get **22.3009, 16.6431, 4.3420**, and if you desaturate by 10%, it is **25.5441, 21.5865, 10.1795**.

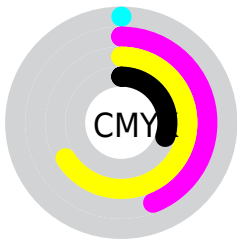
Distribution



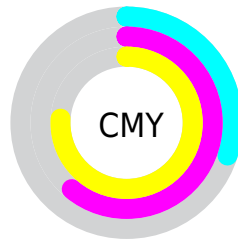
- Red (70%)
- Green (39%)
- Blue (24%)



- Red (70%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (44%)
- Yellow (66%)
- Black (30%)





- Cyan (30%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7596, 18.9162, 6.8138 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 23.7596, 18.9162, 6.8138 by changing the saturation by 10% instead.


 23.7596, 18.9162,
6.8138


 23.7596, 18.9162,
6.8138


264.0659,
245.9857, 175.6792


 15.2792, 11.6097,
3.2692


 49.0952, 41.5924,
20.1041


 9.1031, 6.4785,
1.2337


 66.6810, 57.7310,
30.6869

 4.8662, 3.1382,
0.0065

 88.0326, 77.5824,
44.4529

 2.2029, 1.2043,
0.0000

 113.5155,
101.5311, 61.8206

 0.7443, 0.0652,
0.0000

 143.4949,
129.9613, 83.2085

 0.0000, 0.0000,
0.0000

 178.3362,

163.2576, 109.0353

218.4047,
201.8043, 139.7193

■ 23.7596, 18.9162,
6.8138

■ 23.7596, 18.9162,
6.8138

■ 22.3009, 16.6431,
4.3420

■ 25.5441, 21.5865,
10.1795

■ 21.1432, 14.7435,
2.6740

■ 27.6739, 24.6701,
14.5152

■ 20.2581, 13.1945,
1.6973

■ 30.1686, 28.1857,
19.8899

■ 19.9415, 12.6279,
1.3864

■ 33.0455, 32.1500,
26.3659

■ 36.3210, 36.5787,
34.0007

■ 40.0103, 41.4865,
42.8476

■ 44.1279, 46.8878,
52.9568

■ 48.6875, 52.7961,
64.3754

■ 53.7022, 59.2245,
77.1482

Harmonies

Analogous

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



27.0604, 18.9162, 12.8577



23.7596, 18.9162, 6.8138



19.2291, 18.9162, 4.7029

Triad

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



23.7596, 18.9162, 6.8138



10.8280, 18.9162, 17.2916



21.3010, 18.9162, 52.3853

Complementary

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



23.7596, 18.9162, 6.8138



19.1925, 22.6706, 45.4837

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.



16.7849, 18.9162, 55.1699



23.7596, 18.9162, 6.8138



11.1979, 18.9162, 30.9461

Square

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



23.7596, 18.9162, 6.8138



12.1128, 18.9162, 8.9191



13.2219, 18.9162, 46.1317



25.4872, 18.9162, 39.5977

Rectangle

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



23.7596, 18.9162, 6.8138



16.3129, 18.9162, 4.7977



13.2219, 18.9162, 46.1317



19.7555, 18.9162, 54.6855

Sweetspot

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



23.7600, 18.9172, 6.8141



63.0323, 62.5194, 54.9993



24.6891, 14.6667, 25.9559



13.6036, 13.3619, 11.3459



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.7600, 18.9172, 6.8141



39.4027, 28.5018, 6.3006



31.5147, 34.4266, 9.3990



8.7202, 8.9528, 8.9210



14.3209, 9.1404, 1.0095



0.5056, 0.3976, 0.0501

Inverse Universe

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



19.1925, 22.6706, 45.4837



30.3772, 35.5773, 81.6472



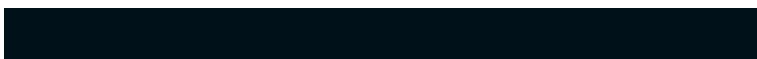
12.8659, 10.0174, 43.3748



8.4992, 9.1447, 10.8235



10.5006, 11.8016, 31.8615



0.3813, 0.4732, 1.0195

Previews

White Background



This preview shows how the XYZ color 23.7596, 18.9162, 6.8138 looks on a white background.

Color Contrast Check

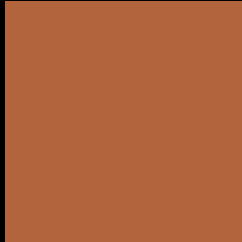
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7596, 18.9162, 6.8138 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 23.7596, 18.9162, 6.8138

Background



This preview shows how black text looks on a background with the XYZ color 23.7596, 18.9162, 6.8138.



This preview shows how white text looks on a background with the XYZ color 23.7596, 18.9162,

6.8138.

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

23.7596, 18.9162, 6.8138

Protanopia

17.5536, 19.0786, 8.2262

Deuteranopia

19.2889, 18.9565, 6.6453



Tritanopia

25.3129, 18.8470, 14.8741

Trichromacy



Original Color

23.7596, 18.9162, 6.8138

Protanomaly

19.2537, 18.5815, 7.5728

Deuteranomaly

20.8626, 18.9412, 6.6941

Tritanomaly

24.5854, 18.8212, 11.3539

Monochromacy



Original Color

23.7596, 18.9162, 6.8138

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.8140, 18.0456, 14.0468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7596, 18.9162, 6.8138 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(178, 100, 61)` looks like.

```
.text, #text, p{  
    color:rgb(178, 100, 61)  
}
```

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(178, 100, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 100, 61) }
```

Border

The CSS property to change the border of an element to XYZ 23.7596, 18.9162, 6.8138 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(178, 100, 61) }
```


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

```
.border{ border-color:rgb(178, 100, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 100, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 100, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 100, 61);  
box-shadow:4px 4px 4px 4px rgb(178, 100,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7596, 18.9162, 6.8138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 100, 61) }
```

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

```
.background{ background-color: rgb(178,  
100, 61) }
```

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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