

Converting Colors

XYZ(23.6281, 19.4707, 6.2679)

Have a look what the booklet for
XYZ(23.6281, 19.4707, 6.2679)
contains.

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Color

**XYZ(23.5686, 19.4163,
6.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	B06838
RGB	176, 104, 56
RGB Percent	69%, 41%, 22%
CMY	0.3098, 0.5921, 0.7804
CMYK	0.00, 0.41, 0.68, 0.31
HSL	24°, 52%, 45%
HSV	24°, 68%, 69%
XYZ	23.5686, 19.4163, 6.2469
YIQ	120.0560, 58.3200, 0.3360

Conversions

Conversions Part 2

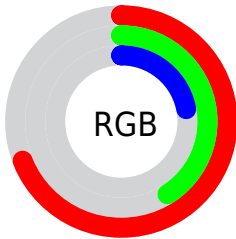
Format	Color
R_{YB}	176, 136, 56
Decimal	11561016
CIE Lab	51.17, 24.60, 38.67
CIE LCh	51, 45.833, 57.545
Yxy	19.4163, 0.4787, 0.3944
Android (android.graphics.Color)	4289751096 (0xFFB06838)
YUV	120.0560, -31.5796, 49.0629
Hunter-Lab	44.0639, 18.3629, 22.4393

Details

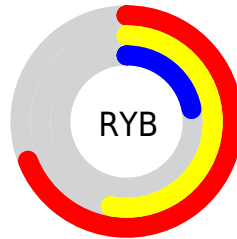
The XYZ color **23.5686, 19.4163, 6.2469** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.1859, 19.4124, 43.9151**, and the grayscale version is **17.9559, 18.8910, 20.5723**.

A 20% lighter version of the original color is **48.6992, 42.4590, 18.9933**, and **9.0658, 6.7678, 1.0582** is the 20% darker color. If you saturate the color by 10%, you get **22.2143, 17.2799, 4.0324**, and if you desaturate by 10%, it is **25.2082, 21.8815, 9.3033**.

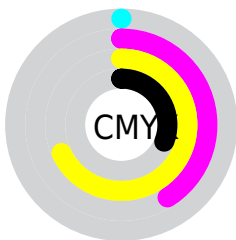
Distribution



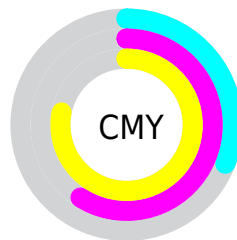
- Red (69%)
- Green (41%)
- Blue (22%)



- Red (69%)
- Yellow (53%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (68%)
- Black (31%)





- Cyan (31%)
- Magenta (59%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5686, 19.4163, 6.2469 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 23.5686, 19.4163, 6.2469 by changing the saturation by 10% instead.


 23.5686, 19.4163,
6.2469


 23.5686, 19.4163,
6.2469


263.1133,
248.7374, 170.6368


 15.1369, 11.9715,
2.9246


 48.7851, 42.4364,
18.9277

 9.0025, 6.7243,
1.0563


 66.3007, 58.7804,
29.1232

 4.7999, 3.2903,
0.0000

 87.5749, 78.8596,
42.4469

 2.1639, 1.2851,
0.0000

 112.9731,
103.0584, 59.3174

 0.7236, 0.1296,
0.0000

 142.8607,
131.7612, 80.1530

 0.0000, 0.0000,
0.0000

 177.6030,

165.3524, 105.3724

217.5654,
204.2163, 135.3942

■ 23.5686, 19.4163,
6.2469

■ 23.5686, 19.4163,
6.2469

■ 22.2143, 17.2799,
4.0324

■ 25.2082, 21.8815,
9.3033

■ 21.1225, 15.4527,
2.5692

■ 27.1507, 24.6875,
13.2773

■ 20.2605, 13.9143,
1.7098

■ 29.4136, 27.8491,
18.2371

■ 20.1200, 13.6614,
1.5765

■ 32.0125, 31.3794,
24.2442

■ 34.9619, 35.2906,
31.3551

■ 38.2754, 39.5943,
39.6219

■ 41.9659, 44.3018,
49.0937

■ 46.0454, 49.4237,
59.8166

■ 50.5255, 54.9702,
71.8344

Harmonies

Analogous

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



27.3670, 19.4163, 11.5284



23.5686, 19.4163, 6.2469



18.8326, 19.4163, 4.6726

Triad

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



23.5686, 19.4163, 6.2469



11.0103, 19.4163, 20.0841



22.8115, 19.4163, 52.1181

Complementary

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



23.5686, 19.4163, 6.2469



17.1859, 19.4124, 43.9151

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.



18.0818, 19.4163, 57.4397



23.5686, 19.4163, 6.2469



11.7236, 19.4163, 35.0023

Square

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



23.5686, 19.4163, 6.2469



12.0032, 19.4163, 10.3297



14.1397, 19.4163, 50.1807



26.8817, 19.4163, 37.6736

Rectangle

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



23.5686, 19.4163, 6.2469



15.9367, 19.4163, 5.1036



14.1397, 19.4163, 50.1807



21.2247, 19.4163, 55.2397

Sweetspot

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



23.5690, 19.4173, 6.2473



62.1943, 62.4075, 53.8957



23.2149, 13.6170, 21.8269



13.1553, 13.0974, 10.8966



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.



23.5690, 19.4173, 6.2473



39.1926, 29.5308, 5.7606



31.8935, 36.0663, 9.0221



8.7661, 9.0447, 8.9363



14.8166, 10.1319, 1.1747



0.5241, 0.4345, 0.0563

Inverse Universe

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



17.1859, 19.4124, 43.9151



26.7310, 29.3456, 78.7507



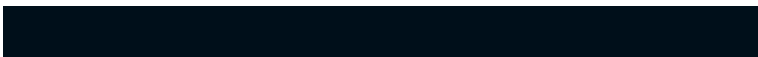
11.5346, 8.1097, 42.0313



8.4517, 9.0497, 10.8076



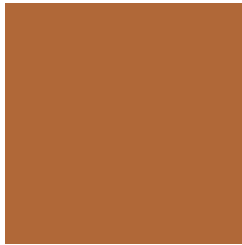
9.5591, 9.9185, 31.5476



0.3560, 0.4225, 1.0110

Previews

White Background



This preview shows how the XYZ color 23.5686, 19.4163, 6.2469 looks on a white background.

Color Contrast Check

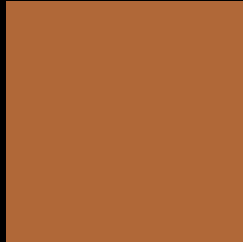
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5686, 19.4163, 6.2469 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 23.5686, 19.4163, 6.2469

Background



This preview shows how black text looks on a background with the XYZ color 23.5686, 19.4163, 6.2469.



This preview shows how white text looks on a background with the XYZ color 23.5686, 19.4163,

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

23.5686, 19.4163, 6.2469

Protanopia

17.9441, 19.6646, 7.4073

Deuteranopia

19.8369, 19.4232, 6.0717



Tritanopia

25.5079, 19.3390, 15.7530

Trichromacy



Original Color

23.5686, 19.4163, 6.2469

Protanomaly

19.6387, 19.3011, 6.9654

Deuteranomaly

21.1580, 19.4317, 6.1256

Tritanomaly

24.6376, 19.2674, 11.4373

Monochromacy



Original Color

23.5686, 19.4163, 6.2469

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9902, 18.4731, 13.8740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5686, 19.4163, 6.2469 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, 104, 56)` looks like.

```
.text, #text, p{  
    color:rgb(176, 104, 56)  
}
```

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, 104, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 104, 56) }
```

Border

The CSS property to change the border of an element to XYZ 23.5686, 19.4163, 6.2469 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, 104, 56) }
```


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

```
.border{ border-color:rgb(176, 104, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 104, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 104, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 104, 56);  
box-shadow:4px 4px 4px 4px rgb(176, 104,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5686, 19.4163, 6.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 104, 56) }
```

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

```
.background{ background-color: rgb(176,  
104, 56) }
```

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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