

Converting Colors

XYZ(23.0737, 19.7947, 5.6411)

Have a look what the booklet for
XYZ(23.0737, 19.7947, 5.6411)
contains.

XYZ(23.1719, 19.8397, 5.6258)	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(23.1719, 19.8397,
5.6258)**

Conversions

Conversions Part 1

Format	Color
Hex	AD6C32
RGB	173, 108, 50
RGB Percent	68%, 42%, 20%
CMY	0.3216, 0.5765, 0.8039
CMYK	0.00, 0.38, 0.71, 0.32
HSL	28°, 55%, 44%
HSV	28°, 71%, 68%
XYZ	23.1719, 19.8397, 5.6258
YIQ	120.8230, 57.3580, -4.2580

Conversions

Conversions Part 2

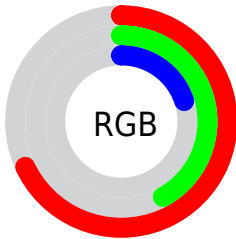
Format	Color
R _{YB}	173, 160, 50
Decimal	11365426
CIE Lab	51.66, 20.73, 42.16
CIE LCh	52, 46.979, 63.811
Yxy	19.8397, 0.4764, 0.4079
Android (android.graphics.Color)	4289555506 (0xFFAD6C32)
YUV	120.8230, -34.9157, 45.7592
Hunter-Lab	44.5418, 14.9127, 23.6907

Details

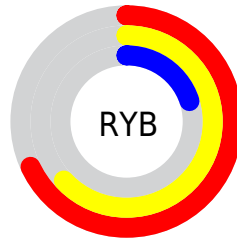
The XYZ color **23.1719, 19.8397, 5.6258** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9886, 15.9559, 41.8247**, and the grayscale version is **18.2135, 19.1621, 20.8675**.

A 20% lighter version of the original color is **48.1016, 43.1983, 17.6072**, and **8.8183, 6.9447, 0.8757** is the 20% darker color. If you saturate the color by 10%, you get **21.9528, 17.8902, 3.7132**, and if you desaturate by 10%, it is **24.6341, 22.0499, 8.3155**.

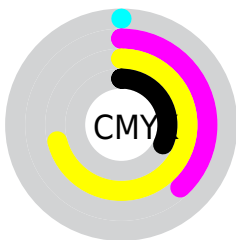
Distribution



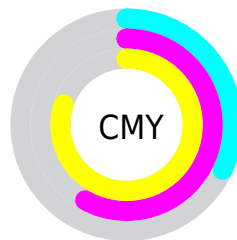
- Red (68%)
- Green (42%)
- Blue (20%)



- Red (68%)
- Yellow (63%)
- Blue (20%)



- Cyan (0%)
- Magenta (38%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (58%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1719, 19.8397, 5.6258 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 23.1719, 19.8397, 5.6258 by changing the saturation by 10% instead.

 23.1719, 19.8397,
5.6258

 23.1719, 19.8397,
5.6258


261.1256,
251.0460, 164.8718


 14.8419, 12.2786,
2.5538


 48.1400, 43.1483,
17.6132


 8.7941, 6.9337,
0.8685


 65.5088, 59.6645,
27.3657


 4.6631, 3.4207,
0.0000


 86.6213, 79.9346,
40.1821

 2.0837, 1.3551,
0.0000

 111.8427,
104.3428, 56.4809

 0.6803, 0.1833,
0.0000

 141.5385,
133.2737, 76.6808

 0.0000, 0.0000,
0.0000

 176.0740,

167.1116, 101.2002

215.8146,
206.2409, 130.4577

■ 23.1719, 19.8397,
5.6258

■ 23.1719, 19.8397,
5.6258

■ 21.9528, 17.8902,
3.7132

■ 24.6341, 22.0499,
8.3155

■ 20.9553, 16.1853,
2.4867

■ 26.3552, 24.5294,
11.8572

■ 20.2194, 14.8561,
1.8018

■ 28.3510, 27.2898,
16.3181

■ 30.6355, 30.3411,
21.7581

■ 33.2215, 33.6928,
28.2324

■ 36.1212, 37.3536,
35.7915

■ 39.3458, 41.3321,
44.4831

■ 42.9060, 45.6364,
54.3516

■ 46.8120, 50.2742,
65.4393

Harmonies

Analogous

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



27.4880, 19.8397, 10.0902



23.1719, 19.8397, 5.6258



18.2578, 19.8397, 4.6229

Triad

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



23.1719, 19.8397, 5.6258



11.1471, 19.8397, 23.3836



24.3964, 19.8397, 51.3547

Complementary

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



23.1719, 19.8397, 5.6258



14.9886, 15.9559, 41.8247

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.



19.4692, 19.8397, 59.5118



23.1719, 19.8397, 5.6258



12.2532, 19.8397, 39.6236

Square

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



23.1719, 19.8397, 5.6258



11.8044, 19.8397, 12.0092



15.1141, 19.8397, 54.5069



28.2741, 19.8397, 35.2899

Rectangle

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



23.1719, 19.8397, 5.6258



15.4119, 19.8397, 5.4411



15.1141, 19.8397, 54.5069



22.7808, 19.8397, 55.3599

Sweetspot

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



23.1724, 19.8407, 5.6262



59.3663, 60.1734, 50.2250



21.5034, 12.4172, 17.6649



12.6234, 12.7197, 10.2082



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.1724, 19.8407, 5.6262



38.3072, 30.3424, 5.3254



31.9785, 37.4531, 8.5616



8.3050, 8.6148, 8.4385



14.9107, 11.0268, 1.3425



0.4699, 0.4169, 0.0557

Inverse Universe

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



14.9886, 15.9559, 41.8247



22.7449, 22.9129, 74.0296



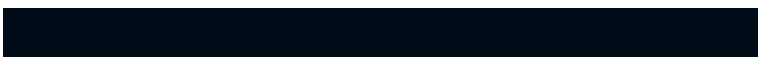
10.1822, 6.3431, 40.2226



7.9160, 8.4314, 10.1629



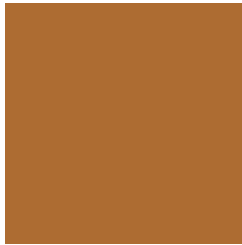
8.3736, 7.8810, 30.1244



0.2872, 0.3277, 0.8561

Previews

White Background



This preview shows how the XYZ color 23.1719, 19.8397, 5.6258 looks on a white background.

Color Contrast Check

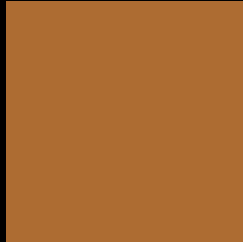
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1719, 19.8397, 5.6258 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 23.1719, 19.8397, 5.6258

Background



This preview shows how black text looks on a background with the XYZ color 23.1719, 19.8397, 5.6258.



This preview shows how white text looks on a background with the XYZ color 23.1719, 19.8397,

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

23.1719, 19.8397, 5.6258

Protanopia

18.2138, 20.0095, 6.5167

Deuteranopia

20.2008, 19.7978, 5.4460



Tritanopia

25.6432, 19.9540, 16.9680

Trichromacy



Original Color

23.1719, 19.8397, 5.6258

Protanomaly

19.6987, 19.6979, 6.1320

Deuteranomaly

21.2488, 19.8251, 5.5030

Tritanomaly

24.6163, 19.8353, 11.7637

Monochromacy



Original Color

23.1719, 19.8397, 5.6258

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1262, 18.8925, 13.4650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1719, 19.8397, 5.6258 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(173, 108, 50)` looks like.

```
.text, #text, p{  
    color:rgb(173, 108, 50)  
}
```

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(173, 108, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 108, 50) }
```

Border

The CSS property to change the border of an element to XYZ 23.1719, 19.8397, 5.6258 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(173, 108, 50) }
```


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

```
.border{ border-color:rgb(173, 108, 50) }
```

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

Here you see how a box with a 4 pixel rgb(173, 108, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 108, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 108, 50);  
box-shadow:4px 4px 4px 4px rgb(173, 108,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1719, 19.8397, 5.6258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 108, 50) }
```

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

```
.background{ background-color: rgb(173,  
108, 50) }
```

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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