

Converting Colors

XYZ(23.1532, 19.7147, 8.1127)

Have a look what the booklet for
XYZ(23.1532, 19.7147, 8.1127)
contains.

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Color

**XYZ(23.2005, 19.8004,
8.0679)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6C44
RGB	171, 108, 68
RGB Percent	67%, 42%, 27%
CMY	0.3294, 0.5765, 0.7333
CMYK	0.00, 0.37, 0.60, 0.33
HSL	23°, 43%, 47%
HSV	23°, 60%, 67%
XYZ	23.2005, 19.8004, 8.0679
YIQ	122.2770, 50.3880, 0.9160

Conversions

Conversions Part 2

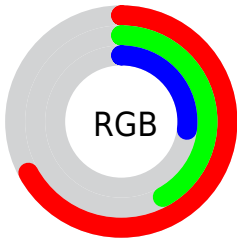
Format	Color
RYB	171, 133, 68
Decimal	11234372
CIELab	51.61, 21.05, 32.57
CIELCh	52, 38.780, 57.117
Yxy	19.8004, 0.4543, 0.3877
Android (android.graphics.Color)	4289424452 (0xFFAB6C44)
YUV	122.2770, -26.7586, 42.7301
Hunter-Lab	44.4976, 15.1967, 20.3984

Details

The XYZ color **23.2005, 19.8004, 8.0679** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.8503, 20.4007, 41.5247**, and the grayscale version is **18.6630, 19.6349, 21.3824**.

A 20% lighter version of the original color is **48.0948, 43.0840, 22.6108**, and **8.8309, 6.9345, 1.6321** is the 20% darker color. If you saturate the color by 10%, you get **21.7152, 17.5467, 5.3629**, and if you desaturate by 10%, it is **24.9713, 22.3816, 11.6194**.

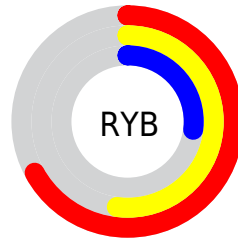
Distribution



Red (67%)

Green (42%)

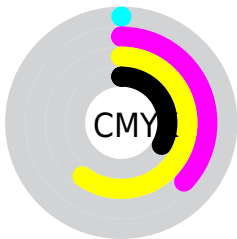
Blue (27%)



Red (67%)

Yellow (52%)

Blue (27%)

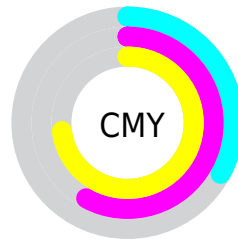


Cyan (0%)

Magenta (37%)

Yellow (60%)

Black (33%)



Cyan (33%)

Magenta (58%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2005, 19.8004, 8.0679 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 23.2005, 19.8004, 8.0679 by changing the saturation by 10% instead.

■ 23.2005, 19.8004,
8.0679

■ 23.2005, 19.8004,
8.0679

261.2693,
250.8325, 186.2181

■ 14.8631, 12.2500,
4.0500

■ 48.1866, 43.0823,
22.6398

■ 8.8091, 6.9142,
1.6528

■ 65.5660, 59.5826,
34.0309

■ 4.6730, 3.4085,
0.3281

■ 86.6901, 79.8350,
48.7169

■ 2.0895, 1.3485,
0.0000

■ 111.9244,
104.2239, 67.1162

■ 0.6835, 0.1783,
0.0000

■ 141.6341,
133.1338, 89.6475

■ 0.0000, 0.0000,
0.0000

176.1845,

166.9489, 116.7292

215.9412,
206.0536, 148.7798

■ 23.2005, 19.8004,
8.0679

■ 23.2005, 19.8004,
8.0679

■ 21.7152, 17.5467,
5.3629

■ 24.9713, 22.3816,
11.6194

■ 20.4957, 15.6029,
3.4298

■ 27.0427, 25.3011,
16.0810

■ 19.5213, 13.9535,
2.1825

■ 29.4301, 28.5726,
21.5116

■ 18.7670, 12.6029,
1.4435

■ 32.1476, 32.2081,
27.9647

■ 35.2081, 36.2192,
35.4897

■ 38.6240, 40.6165,
44.1330

■ 42.4068, 45.4107,
53.9381

■ 46.5677, 50.6117,
64.9463

■ 51.1173, 56.2290,
77.1966

Harmonies

Analogous

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



26.3302, 19.8004, 13.1637



23.2005, 19.8004, 8.0679



19.2001, 19.8004, 6.4190

Triad

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



23.2005, 19.8004, 8.0679



12.2692, 19.8004, 20.4951



22.4561, 19.8004, 46.9416

Complementary

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



23.2005, 19.8004, 8.0679



17.8503, 20.4007, 41.5247

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.



18.4443, 19.8004, 50.9797



23.2005, 19.8004, 8.0679



12.8933, 19.8004, 32.9292

Square

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



23.2005, 19.8004, 8.0679



13.1892, 19.8004, 11.8602



15.0283, 19.8004, 45.1470



25.8603, 19.8004, 35.4783

Rectangle

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



23.2005, 19.8004, 8.0679



16.6939, 19.8004, 6.8407



15.0283, 19.8004, 45.1470



21.1187, 19.8004, 49.3540

Sweetspot

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



23.2010, 19.8014, 8.0683



58.5765, 59.0064, 52.5131



22.9935, 14.4450, 23.2331



12.7333, 12.7229, 10.9124



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.



23.2010, 19.8014, 8.0683



38.1783, 30.3096, 8.4125



30.2331, 33.8656, 10.4123



8.2508, 8.5064, 8.4204



14.1957, 9.5968, 1.1042



0.4490, 0.3751, 0.0487

Inverse Universe

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



17.8503, 20.4007, 41.5247



27.6968, 31.3701, 73.5971



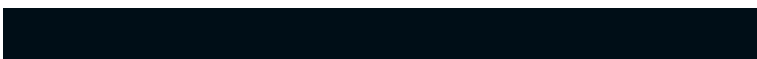
12.6046, 9.9092, 39.7761



7.9712, 8.5417, 10.1813



9.3699, 9.8737, 30.4565



0.3117, 0.3767, 0.8643

Previews

White Background



This preview shows how the XYZ color 23.2005, 19.8004, 8.0679 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 23.2005, 19.8004, 8.0679 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 23.2005, 19.8004, 8.0679

Background



This preview shows how black text looks on a background with the XYZ color 23.2005, 19.8004, 8.0679.



This preview shows how white text looks on a background with the XYZ color 23.2005, 19.8004,

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

23.2005, 19.8004, 8.0679

Protanopia

18.3107, 19.8112, 9.3374

Deuteranopia

20.2243, 19.9295, 7.9351



Tritanopia

25.1203, 19.8250, 17.2545

Trichromacy



Original Color

23.2005, 19.8004, 8.0679

Protanomaly

19.8609, 19.7206, 8.8906

Deuteranomaly

21.1310, 19.7090, 8.0007

Tritanomaly

24.3507, 19.8136, 13.3675

Monochromacy



Original Color

23.2005, 19.8004, 8.0679

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5748, 19.2573, 15.2557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2005, 19.8004, 8.0679 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(171, 108, 68)` looks like.

```
.text, #text, p{  
    color:rgb(171, 108, 68)  
}
```

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(171, 108, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 108, 68) }
```

Border

The CSS property to change the border of an element to XYZ 23.2005, 19.8004, 8.0679 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(171, 108, 68) }
```


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

```
.border{ border-color:rgb(171, 108, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 108, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 108, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 108, 68);  
box-shadow:4px 4px 4px 4px rgb(171, 108,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2005, 19.8004, 8.0679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 108, 68) }
```

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

```
.background{ background-color: rgb(171,  
108, 68) }
```

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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