

Converting Colors

XYZ(23.2422, 16.9001, 5.7968)

Have a look what the booklet for
XYZ(23.2422, 16.9001, 5.7968)
contains.

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Color

**XYZ(23.1781, 16.9257,
5.7867)**

Conversions

Conversions Part 1

Format	Color
Hex	B55738
RGB	181, 87, 56
RGB Percent	71%, 34%, 22%
CMY	0.2902, 0.6588, 0.7804
CMYK	0.00, 0.52, 0.69, 0.29
HSL	15°, 53%, 46%
HSV	15°, 69%, 71%
XYZ	23.1781, 16.9257, 5.7867
YIQ	111.5720, 65.9750, 10.2870

Conversions

Conversions Part 2

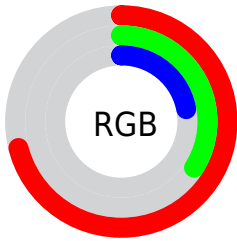
Format	Color
R_{YB}	181, 97, 56
Decimal	11884344
CIE _{Lab}	48.17, 35.80, 35.44
CIE _{LCh}	48, 50.374, 44.707
Yxy	16.9257, 0.5051, 0.3688
Android (android.graphics.Color)	4290074424 (0xFFB55738)
YUV	111.5720, -27.3970, 60.8884
Hunter-Lab	41.1409, 28.5675, 20.4591

Details

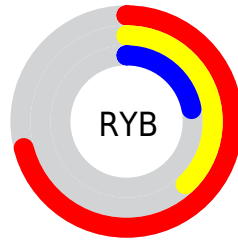
The XYZ color **23.1781, 16.9257, 5.7867** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.8768, 25.9878, 47.6317**, and the grayscale version is **15.3404, 16.1393, 17.5757**.

A 20% lighter version of the original color is **48.0069, 38.1655, 17.9331**, and **8.7480, 5.4849, 0.9142** is the 20% darker color. If you saturate the color by 10%, you get **21.8129, 14.7803, 3.5285**, and if you desaturate by 10%, it is **24.9119, 19.5525, 8.9574**.

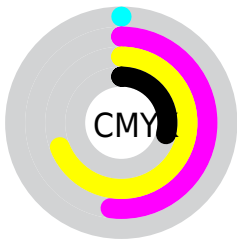
Distribution



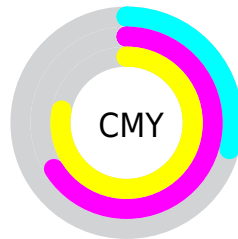
- Red (71%)
- Green (34%)
- Blue (22%)



- Red (71%)
- Yellow (38%)
- Blue (22%)



- Cyan (0%)
- Magenta (52%)
- Yellow (69%)
- Black (29%)





- Cyan (29%)
- Magenta (66%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1781, 16.9257, 5.7867 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 23.1781, 16.9257, 5.7867 by changing the saturation by 10% instead.


 23.1781, 16.9257,
5.7867

 23.1781, 16.9257,
5.7867


261.1567,
234.7438, 166.3916


 14.8465, 10.1815,
2.6491


 48.1501, 38.1980,
17.9565


 8.7973, 5.5195,
0.9177


 65.5212, 53.4949,
27.8258


 4.6653, 2.5552,
0.0000


 86.6362, 72.4115,
40.7761

 2.0850, 0.9042,
0.0000

 111.8604, 95.3322,
57.2260

 0.6810, 0.0000,
0.0000

 141.5592,
122.6414, 77.5939

 0.0000, 0.0000,
0.0000

 176.0980,

154.7235, 102.2984

215.8420,
191.9628, 131.7581

■ 23.1781, 16.9257,
5.7867

■ 23.1781, 16.9257,
5.7867

■ 21.8129, 14.7803,
3.5285

■ 24.9119, 19.5525,
8.9574

■ 20.7851, 13.0828,
2.0823

■ 27.0395, 22.6858,
13.1249

■ 20.0491, 11.7951,
1.2688

■ 29.5848, 26.3520,
18.3650

■ 19.9904, 11.6926,
1.2033

■ 32.5697, 30.5748,
24.7455

■ 36.0143, 35.3766,
32.3289

■ 39.9375, 40.7784,
41.1731

■ 44.3571, 46.8003,
51.3320

■ 49.2900, 53.4612,
62.8565

■ 54.7522, 60.7793,
75.7949

Harmonies

Analogous

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



26.1751, 16.9257, 12.7485



23.1781, 16.9257, 5.7867



18.5189, 16.9257, 3.2503

Triad

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



23.1781, 16.9257, 5.7867



9.0109, 16.9257, 12.5549



18.4237, 16.9257, 55.0762

Complementary

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



23.1781, 16.9257, 5.7867



20.8768, 25.9878, 47.6317

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.



13.8785, 16.9257, 54.9381



23.1781, 16.9257, 5.7867



8.9951, 16.9257, 25.5875

Square

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



23.1781, 16.9257, 5.7867



10.6622, 16.9257, 5.7030



10.6139, 16.9257, 42.4169



23.0971, 16.9257, 42.7350

Rectangle

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



23.1781, 16.9257, 5.7867



15.3768, 16.9257, 3.0032



10.6139, 16.9257, 42.4169



16.8195, 16.9257, 56.6256

Sweetspot

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



23.1785, 16.9266, 5.7870



63.0136, 61.2957, 54.5941



26.1240, 14.9137, 31.1359



13.2516, 12.7362, 10.9870



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.



23.1785, 16.9266, 5.7870



38.0146, 24.7557, 4.7717



30.3075, 31.1846, 8.1633



8.6620, 8.8364, 8.9016



13.8284, 8.1554, 0.8453



0.4820, 0.3504, 0.0422

Inverse Universe

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



20.8768, 25.9878, 47.6317



33.4306, 41.6687, 84.5755



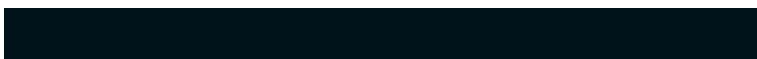
13.5716, 11.3774, 45.1966



8.5606, 9.2674, 10.8439



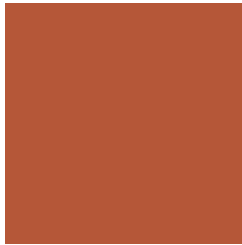
11.8861, 14.5726, 32.3233



0.4168, 0.5440, 1.0313

Previews

White Background



This preview shows how the XYZ color 23.1781, 16.9257, 5.7867 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 23.1781, 16.9257, 5.7867 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1781, 16.9257, 5.7867

Background



This preview shows how black text looks on a background with the XYZ color 23.1781, 16.9257, 5.7867.



This preview shows how white text looks on a background with the XYZ color 23.1781, 16.9257,

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

23.1781, 16.9257, 5.7867

Protanopia

15.6891, 17.0787, 7.4707

Deuteranopia

17.2215, 16.9271, 5.4915



Tritanopia

24.4249, 16.9751, 11.4404

Trichromacy



Original Color

23.1781, 16.9257, 5.7867

Protanomaly

17.7751, 16.5619, 6.8174

Deuteranomaly

19.0066, 16.6323, 5.5768

Tritanomaly

23.8013, 16.8216, 9.0136

Monochromacy



Original Color

23.1781, 16.9257, 5.7867

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.0985, 15.7916, 12.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1781, 16.9257, 5.7867 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(181, 87, 56)` looks like.

```
.text, #text, p{  
    color:rgb(181, 87, 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(181, 87, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 87, 56) }
```

Border

The CSS property to change the border of an element to XYZ 23.1781, 16.9257, 5.7867 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(181, 87, 56) }
```


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

```
.border{ border-color:rgb(181, 87, 56) }
```

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

Here you see how a box with a 4 pixel rgb(181, 87, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 87, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 87, 56);  
box-shadow:4px 4px 4px 4px rgb(181, 87,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1781, 16.9257, 5.7867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 87, 56) }
```

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

```
.background{ background-color: rgb(181, 87,  
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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