

Converting Colors

XYZ(23.2175, 18.4496, 2.4810)

Have a look what the booklet for
XYZ(23.2175, 18.4496, 2.4810)
contains.

XYZ(23.2175, 18.4496, 2.4810)	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(23.2175, 18.4496,
2.4810)**

Conversions

Conversions Part 1

Format	Color
Hex	B46205
RGB	180, 98, 5
RGB Percent	71%, 38%, 2%
CMY	0.2941, 0.6157, 0.9804
CMYK	0.00, 0.46, 0.97, 0.29
HSL	32°, 95%, 36%
HSV	32°, 97%, 71%
XYZ	23.2175, 18.4496, 2.4810
YIQ	111.9160, 78.7250, -11.5390

Conversions

Conversions Part 2

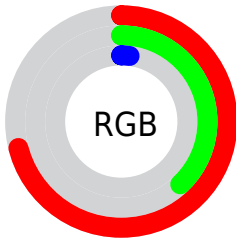
Format	Color
R _Y B	159, 180, 5
Decimal	11821573
CIE Lab	50.04, 27.91, 57.16
CIE LCh	50, 63.609, 63.969
Yxy	18.4496, 0.5259, 0.4179
Android (android.graphics.Color)	4290011653 (0xFFB46205)
YUV	111.9160, -52.7096, 59.7097
Hunter-Lab	42.9530, 21.3173, 26.6425

Details

The XYZ color **23.2175, 18.4496, 2.4810** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.7090, 10.1438, 44.5206**, and the grayscale version is **15.5107, 16.3185, 17.7708**.

A 20% lighter version of the original color is **48.3195, 40.7538, 10.3206**, and **9.0258, 6.3462, 0.7492** is the 20% darker color. If you saturate the color by 10%, you get **22.9742, 18.0071, 2.2649**, and if you desaturate by 10%, it is **24.1764, 20.1640, 3.4287**.

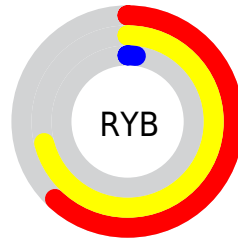
Distribution



Red (71%)

Green (38%)

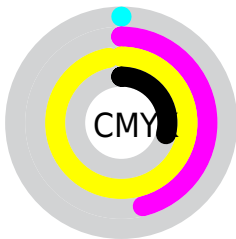
Blue (2%)



Red (62%)

Yellow (71%)

Blue (2%)

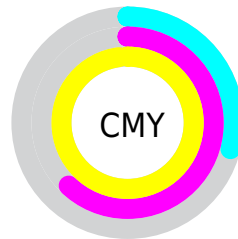


Cyan (0%)

Magenta (46%)

Yellow (97%)

Black (29%)



Cyan (29%)

Magenta (62%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2175, 18.4496, 2.4810 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 23.2175, 18.4496, 2.4810 by changing the saturation by 10% instead.

■ 23.2175, 18.4496,
2.4810

■ 23.2175, 18.4496,
2.4810

261.3547,
243.3931, 129.4480

■ 14.8758, 11.2733,
0.8301

■ 48.2142, 40.8020,
10.3184

■ 8.8180, 6.2509,
0.0000

■ 65.6000, 56.7468,
17.3481

■ 4.6788, 2.9983,
0.0000

■ 86.7311, 76.3832,
27.0098

■ 2.0929, 1.1308,
0.0000

■ 111.9729,
100.0956, 39.7221

■ 0.6853, 0.0041,
0.0000

■ 141.6908,
128.2684, 55.9036

■ 0.0000, 0.0000,
0.0000

■ 176.2502,

161.2860, 75.9727

216.0164,
199.5328, 100.3480

23.2175, 18.4496,
2.4810

23.2175, 18.4496,
2.4810

22.9742, 18.0071,
2.2649

24.1764, 20.1640,
3.4287

25.3389, 22.0960,
5.0277

26.7330, 24.2613,
7.4123

28.3782, 26.6715,
10.6745

30.2918, 29.3369,
14.8936

■ 32.4889, 32.2670,
20.1400

■ 34.9836, 35.4705,
26.4770

■ 37.7888, 38.9559,
33.9633

■ 40.9166, 42.7311,
42.6528

Harmonies

Analogous

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



29.2042, 18.4496, 6.5375



23.2175, 18.4496, 2.4810



16.7345, 18.4496, 1.7425

Triad

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



23.2175, 18.4496, 2.4810



8.2281, 18.4496, 22.5105



24.9589, 18.4496, 62.9467

Complementary

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



23.2175, 18.4496, 2.4810



11.7090, 10.1438, 44.5206

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.



18.3623, 18.4496, 75.8740



23.2175, 18.4496, 2.4810



9.4813, 18.4496, 45.3845

Square

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



23.2175, 18.4496, 2.4810



8.9514, 18.4496, 8.6394



12.8660, 18.4496, 68.0706



30.3626, 18.4496, 38.7827

Rectangle

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



23.2175, 18.4496, 2.4810



13.1803, 18.4496, 2.3562



12.8660, 18.4496, 68.0706



22.7584, 18.4496, 69.2319

Sweetspot

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



23.2179, 18.4506, 2.4813



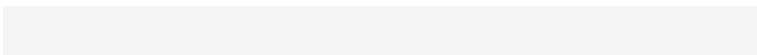
62.3545, 62.9491, 45.2132



20.7045, 10.5430, 10.5244



13.0632, 13.0752, 8.7175



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.



23.2179, 18.4506, 2.4813



41.4219, 32.1799, 4.0282



34.4990, 42.0102, 6.4342



8.8577, 9.2280, 8.9669



16.1025, 12.7036, 1.6033



0.5644, 0.5152, 0.0697

Inverse Universe

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



11.7090, 10.1438, 44.5206



20.5052, 17.1102, 80.5165



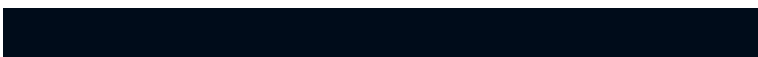
8.3917, 3.4550, 43.4044



8.3593, 8.8647, 10.7768



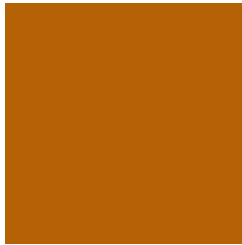
8.0471, 6.8945, 31.0436



0.3118, 0.3341, 0.9963

Previews

White Background



This preview shows how the XYZ color 23.2175, 18.4496, 2.4810 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 23.2175, 18.4496, 2.4810 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 23.2175, 18.4496, 2.4810

Background



This preview shows how black text looks on a background with the XYZ color 23.2175, 18.4496, 2.4810.



This preview shows how white text looks on a background with the XYZ color 23.2175, 18.4496,

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

23.2175, 18.4496, 2.4810

Protanopia

16.8017, 18.6212, 3.1989

Deuteranopia

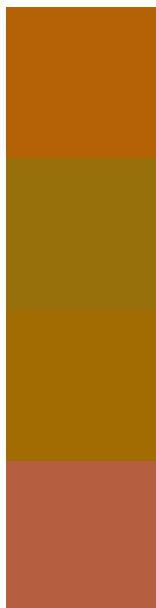
18.7798, 18.6139, 2.6030



Tritanopia

25.4741, 18.4313, 13.7702

Trichromacy



Original Color

23.2175, 18.4496, 2.4810

Protanomaly

18.6230, 18.1942, 2.8781

Deuteranomaly

20.2738, 18.4109, 2.5425

Tritanomaly

24.2195, 18.3207, 7.1102

Monochromacy



Original Color

23.2175, 18.4496, 2.4810

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.7768, 16.3148, 8.5682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2175, 18.4496, 2.4810 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(180, 98, 5)` looks like.

```
.text, #text, p{  
    color:rgb(180, 98, 5)  
}
```

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(180, 98, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 98, 5) }
```

Border

The CSS property to change the border of an element to XYZ 23.2175, 18.4496, 2.4810 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(180, 98, 5) }
```


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

```
.border{ border-color:rgb(180, 98, 5) }
```

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

Here you see how a box with a 4 pixel rgb(180, 98, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 98, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 98, 5);  
box-shadow:4px 4px 4px 4px rgb(180, 98, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2175, 18.4496, 2.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 98, 5) }
```

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

```
.background{ background-color: rgb(180, 98,  
5) }
```

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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