

Converting Colors

XYZ(23.6509, 16.5152, 1.9412)

Have a look what the booklet for
XYZ(23.6509, 16.5152, 1.9412)
contains.

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Color

**XYZ(23.6815, 16.5762,
1.9514)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5100
RGB	188, 81, 0
RGB Percent	74%, 32%, 0%
CMY	0.2627, 0.6823, 1.0000
CMYK	0.00, 0.57, 1.00, 0.26
HSL	26°, 100%, 37%
HSV	26°, 100%, 74%
XYZ	23.6815, 16.5762, 1.9514
YIQ	103.7590, 89.7730, -2.5070

Conversions

Conversions Part 2

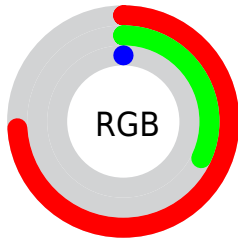
Format	Color
RYB	188, 142, 0
Decimal	12341504
CIELab	47.72, 39.96, 57.53
CIElCh	48, 70.045, 55.212
Yxy	16.5762, 0.5611, 0.3927
Android (android.graphics.Color)	4290531584 (0xFFBC5100)
YUV	103.7590, -51.1532, 73.8794
Hunter-Lab	40.7139, 32.5764, 25.6580

Details

The XYZ color **23.6815, 16.5762, 1.9514** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.3346, 14.1458, 49.5516**, and the grayscale version is **13.2099, 13.8979, 15.1348**.

A 20% lighter version of the original color is **48.9868, 37.6105, 8.9526**, and **9.2167, 5.4406, 0.5644** is the 20% darker color. If you saturate the color by 10%, you get **23.6816, 16.5767, 1.9515**, and if you desaturate by 10%, it is **24.6565, 18.3411, 2.8480**.

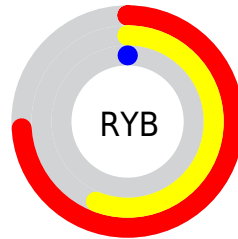
Distribution



Red (74%)

Green (32%)

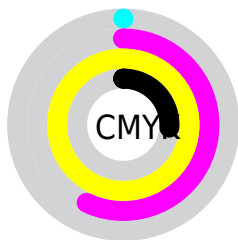
Blue (0%)



Red (74%)

Yellow (56%)

Blue (0%)

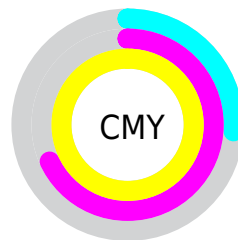


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6815, 16.5762, 1.9514 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 23.6815, 16.5762, 1.9514 by changing the saturation by 10% instead.


 23.6815, 16.5762,
1.9514


 23.6815, 16.5762,
1.9514


 263.6767,
232.7182, 121.6175


 15.2210, 9.9328,
0.5251


 48.9684, 37.5957,
8.9075


 9.0619, 5.3544,
0.0000


 66.5255, 52.7405,
15.3377


 4.8390, 2.4567,
0.0000

 87.8456, 71.4880,
24.2941

 2.1869, 0.8548,
0.0000

 113.2938, 94.2224,
36.1952


 0.7358, 0.0000,
0.0000


 143.2357,
121.3283, 51.4596


 0.0000, 0.0000,
0.0000


 178.0366,


153.1899, 70.5057


 218.0618,
190.1918, 93.7522


 23.6815, 16.5762,
1.9514


 23.6815, 16.5762,
1.9514


 23.6816, 16.5767,
1.9515

 24.6565, 18.3411,
2.8480

 25.8738, 20.4114,
4.3766

 27.3795, 22.8145,
6.7541

 29.1991, 25.5685,
10.0896

 31.3545, 28.6895,
14.4758

■ 33.8651, 32.1923,
19.9940

■ 36.7490, 36.0910,
26.7175

■ 40.0227, 40.3986,
34.7135

■ 43.7016, 45.1275,
44.0439

Harmonies

Analogous

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



29.3704, 16.5762, 6.9758



23.6815, 16.5762, 1.9514



16.7828, 16.5762, 0.8724

Triad

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



23.6815, 16.5762, 1.9514



6.5375, 16.5762, 15.3179



21.4677, 16.5762, 70.7606

Complementary

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



23.6815, 16.5762, 1.9514



14.3346, 14.1458, 49.5516

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.



14.7703, 16.5762, 78.9336



23.6815, 16.5762, 1.9514



7.1724, 16.5762, 37.1087

Square

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



23.6815, 16.5762, 1.9514



7.7844, 16.5762, 4.6486



9.8301, 16.5762, 63.8355



27.8727, 16.5762, 45.7773

Rectangle

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



23.6815, 16.5762, 1.9514



12.7993, 16.5762, 1.0282



9.8301, 16.5762, 63.8355



19.1344, 16.5762, 76.0567

Sweetspot

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



23.6819, 16.5771, 1.9517



66.3282, 65.0440, 47.7671



23.5354, 11.8100, 15.6965



13.7745, 13.3307, 9.1181



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.6819, 16.5771, 1.9517



42.6868, 29.5772, 3.4591



35.5550, 40.3234, 5.9094



9.8591, 10.1942, 10.0247



16.1947, 11.4281, 1.3523



0.6994, 0.5777, 0.0746

Inverse Universe

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



14.3346, 14.1458, 49.5516



25.7303, 25.1391, 89.7224



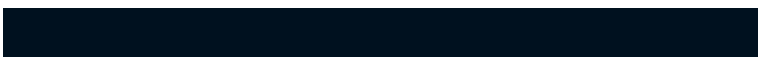
9.2576, 3.9918, 47.8592



9.4550, 10.1022, 12.1238



9.8346, 9.7809, 33.7625



0.4490, 0.5107, 1.3438

Previews

White Background



This preview shows how the XYZ color 23.6815, 16.5762, 1.9514 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 23.6815, 16.5762, 1.9514 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 23.6815, 16.5762, 1.9514

Background



This preview shows how black text looks on a background with the XYZ color 23.6815, 16.5762, 1.9514.



This preview shows how white text looks on a background with the XYZ color 23.6815, 16.5762,

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

23.6815, 16.5762, 1.9514

Protanopia

15.0286, 16.6675, 2.9973

Deuteranopia

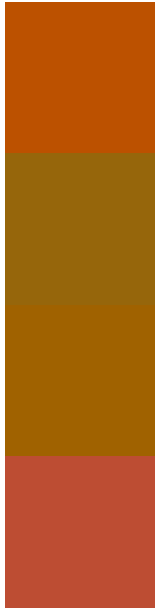
16.8642, 16.6544, 2.3258



Tritanopia

25.1992, 16.5585, 9.4574

Trichromacy



Original Color

23.6815, 16.5762, 1.9514

Protanomaly

17.3895, 16.0109, 2.4905

Deuteranomaly

18.8649, 16.2089, 2.1344

Tritanomaly

24.2377, 16.3656, 5.0134

Monochromacy



Original Color

23.6815, 16.5762, 1.9514

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.1579, 13.9100, 7.0402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6815, 16.5762, 1.9514 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(188, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 81, 0)  
}
```

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(188, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.6815, 16.5762, 1.9514 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(188, 81, 0) }
```


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

```
.border{ border-color:rgb(188, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6815, 16.5762, 1.9514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 81, 0) }
```

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

```
.background{ background-color: rgb(188, 81,  
0) }
```

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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