

Converting Colors

XYZ(23.9086, 16.7207, 2.1271)

Have a look what the booklet for
XYZ(23.9086, 16.7207, 2.1271)
contains.

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Color

**XYZ(23.9616, 16.7168,
2.1361)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5106
RGB	189, 81, 6
RGB Percent	74%, 32%, 2%
CMY	0.2588, 0.6823, 0.9764
CMYK	0.00, 0.57, 0.97, 0.26
HSL	25°, 94%, 38%
HSV	25°, 97%, 74%
XYZ	23.9616, 16.7168, 2.1361
YIQ	104.7420, 88.4430, -0.4290

Conversions

Conversions Part 2

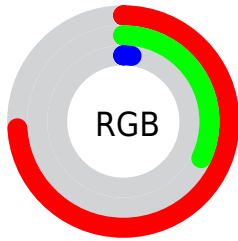
Format	Color
RYB	189, 133, 6
Decimal	12407046
CIELab	47.90, 40.42, 56.23
CIELCh	48, 69.256, 54.289
Yxy	16.7168, 0.5597, 0.3904
Android (android.graphics.Color)	4290597126 (0xFFBD5106)
YUV	104.7420, -48.6798, 73.8943
Hunter-Lab	40.8862, 33.0602, 25.5227

Details

The XYZ color **23.9616, 16.7168, 2.1361** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.2776, 15.7472, 50.3781**, and the grayscale version is **13.4689, 14.1703, 15.4315**.

A 20% lighter version of the original color is **49.4296, 37.8294, 9.3992**, and **9.3415, 5.4679, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **23.6725, 16.1914, 1.8776**, and if you desaturate by 10%, it is **25.0016, 18.5706, 3.1811**.

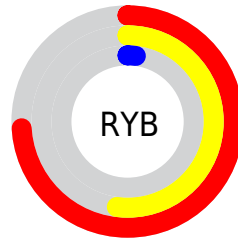
Distribution



Red (74%)

Green (32%)

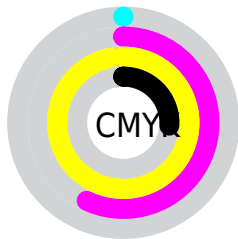
Blue (2%)



Red (74%)

Yellow (52%)

Blue (2%)

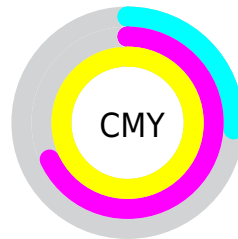


Cyan (0%)

Magenta (57%)

Yellow (97%)

Black (26%)



Cyan (26%)

Magenta (68%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9616, 16.7168, 2.1361 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 23.9616, 16.7168, 2.1361 by changing the saturation by 10% instead.

■ 23.9616, 16.7168,
2.1361

■ 23.9616, 16.7168,
2.1361

265.0704,
233.5351, 124.4556

■ 15.4297, 10.0328,
0.6371

■ 49.4227, 37.8382,
9.4097

■ 9.2098, 5.4207,
0.0000

■ 67.0826, 53.0444,
16.0569

■ 4.9365, 2.4962,
0.0000

■ 88.5158, 71.8601,
25.2693

■ 2.2444, 0.8747,
0.0000

■ 114.0878, 94.6697,
37.4652

■ 0.7660, 0.0000,
0.0000


■ 144.1639,
121.8576, 53.0632


■ 0.0000, 0.0000,
0.0000


■ 179.1095,


153.8082, 72.4819


 219.2898,
190.9059, 96.1399


 23.9616, 16.7168,
2.1361


 23.9616, 16.7168,
2.1361


 23.6725, 16.1914,
1.8776

 25.0016, 18.5706,
3.1811

 26.3187, 20.7622,
4.9841

 27.9453, 23.3148,
7.6869

 29.9067, 26.2470,
11.3941

 32.2247, 29.5761,
16.1956

■ 34.9191, 33.3179,
22.1713

■ 38.0081, 37.4873,
29.3934

■ 41.5086, 42.0982,
37.9283

■ 45.4363, 47.1641,
47.8378

Harmonies

Analogous

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



29.5082, 16.7168, 7.4187



23.9616, 16.7168, 2.1361



17.1116, 16.7168, 0.9561

Triad

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



23.9616, 16.7168, 2.1361



6.6979, 16.7168, 14.9952



21.3463, 16.7168, 70.8380

Complementary

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



23.9616, 16.7168, 2.1361



15.2776, 15.7472, 50.3781

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.



14.7257, 16.7168, 78.1735



23.9616, 16.7168, 2.1361



7.2769, 16.7168, 36.2863

Square

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



23.9616, 16.7168, 2.1361



8.0088, 16.7168, 4.6185



9.8695, 16.7168, 62.7183



27.7426, 16.7168, 46.4876

Rectangle

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



23.9616, 16.7168, 2.1361



13.1105, 16.7168, 1.0867



9.8695, 16.7168, 62.7183



19.0343, 16.7168, 75.8416

Sweetspot

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



23.9620, 16.7177, 2.1364



66.5411, 65.0917, 49.0032



24.1922, 12.2055, 17.5435



13.8002, 13.3108, 9.3463



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.



23.9620, 16.7177, 2.1364



42.1756, 28.5547, 3.2887



35.5254, 39.8446, 5.9908



9.8426, 10.1613, 10.0192



15.9989, 11.0367, 1.2871



0.6912, 0.5614, 0.0719

Inverse Universe

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



15.2776, 15.7472, 50.3781



26.4952, 26.6689, 89.9774



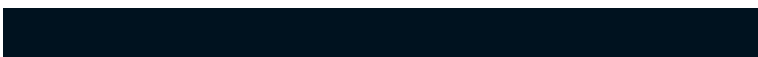
9.5934, 4.3788, 48.4834



9.4718, 10.1359, 12.1294



10.1211, 10.3539, 33.8580



0.4593, 0.5313, 1.3472

Previews

White Background



This preview shows how the XYZ color 23.9616, 16.7168, 2.1361 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 23.9616, 16.7168, 2.1361 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 23.9616, 16.7168, 2.1361

Background



This preview shows how black text looks on a background with the XYZ color 23.9616, 16.7168, 2.1361.



This preview shows how white text looks on a background with the XYZ color 23.9616, 16.7168,

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

23.9616, 16.7168, 2.1361

Protanopia

15.3015, 16.9756, 3.0862

Deuteranopia

16.9702, 16.8666, 2.3611



Tritanopia

25.4499, 16.6877, 9.4691

Trichromacy



Original Color

23.9616, 16.7168, 2.1361

Protanomaly

17.6920, 16.3115, 2.6314

Deuteranomaly

18.9700, 16.4016, 2.2234

Tritanomaly

24.5317, 16.5119, 5.2623

Monochromacy



Original Color

23.9616, 16.7168, 2.1361

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.4104, 14.0297, 7.5260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9616, 16.7168, 2.1361 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(189, 81, 6)` looks like.

```
.text, #text, p{  
    color:rgb(189, 81, 6)  
}
```

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(189, 81, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 81, 6) }
```

Border

The CSS property to change the border of an element to XYZ 23.9616, 16.7168, 2.1361 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(189, 81, 6) }
```


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

```
.border{ border-color:rgb(189, 81, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 81, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 81, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 81, 6);  
box-shadow:4px 4px 4px 4px rgb(189, 81, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9616, 16.7168, 2.1361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 81, 6) }
```

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

```
.background{ background-color: rgb(189, 81,  
6) }
```

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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