

Converting Colors

$Y_{xy}(23.1316, 0.5013, 0.4318)$

Have a look what the booklet for
Yxy(23.1316, 0.5013, 0.4318)
contains.

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Color

Yxy(23.0960, 0.5016, 0.4316)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BB7411 |
| RGB | 187, 116, 17 |
| RGB Percent | 73%, 45%, 7% |
| CMY | 0.2666, 0.5451, 0.9332 |
| CMYK | 0.00, 0.38, 0.91, 0.27 |
| HSL | 35°, 83%, 40% |
| HSV | 35°, 91%, 73% |
| XYZ | 26.8419, 23.0960, 3.5746 |
| YIQ | 125.9430, 74.0950, -15.7370 |

Conversions

Conversions Part 2

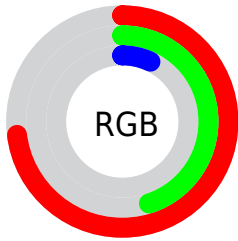
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 139, 187, 17 |
| Decimal | 12284945 |
| CIE _{Lab} | 55.17, 21.27, 58.67 |
| CIE _{LCh} | 55, 62.405, 70.073 |
| Yxy | 23.0960, 0.5016, 0.4316 |
| Android (android.graphics.Color) | 4290475025 (0xFFBB7411) |
| YUV | 125.9430, -53.7089, 53.5470 |
| Hunter-Lab | 48.0583, 15.5951, 29.2307 |

Details

The Yxy color **23.0960, 0.5016, 0.4316** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.6937, 0.1768, 0.1489**, and the grayscale version is **21.0127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4561, 0.4675, 0.4199**, and **8.6035, 0.5296, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **21.4786, 0.5169, 0.4278**, and if you desaturate by 10%, it is **25.0599, 0.4821, 0.4316**.

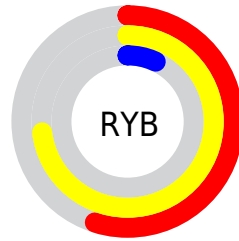
Distribution



Red (73%)

Green (45%)

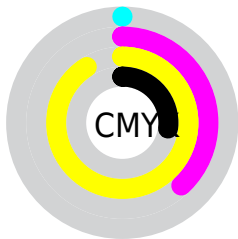
Blue (7%)



Red (55%)

Yellow (73%)

Blue (7%)

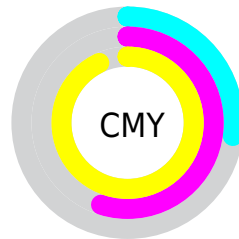


Cyan (0%)

Magenta (38%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (55%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0960, 0.5016, 0.4316 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 Yxy color 23.0960, 0.5016, 0.4316 by changing the saturation by 10% instead.


 23.0960, 0.5016,
0.4316


 23.0960, 0.5016,
0.4316


268.2177, 0.4041,
0.3883


 14.6644, 0.5227,
0.4358


 48.5509, 0.4675,
0.4199

 8.5842, 0.5522,
0.4408


 66.3430, 0.4541,
0.4141


 4.4710, 0.5717,
0.4283

 88.0241, 0.4426,
0.4087

 1.9404, 0.5963,
0.4037

 113.9785, 0.4326,
0.4038

 0.5725, 0.6543,
0.3457

 144.5907, 0.4240,
0.3993

 0.0000, 1.0000,
0.0000

 180.2450, 0.4165,

 0.0000, 0.0000,

0.3953

0.0000

221.3259, 0.4099,
0.3917

23.0960, 0.5016,
0.4316

23.0960, 0.5016,
0.4316

21.4786, 0.5169,
0.4278

25.0599, 0.4821,
0.4316

27.2372, 0.4599,
0.4265

29.6407, 0.4363,
0.4172

32.2807, 0.4124,
0.4047

35.1666, 0.3893,
0.3904

■ 38.3068, 0.3677,
0.3751

■ 41.7094, 0.3479,
0.3597

■ 45.3821, 0.3300,
0.3446

■ 49.3320, 0.3140,
0.3302

Harmonies

Analogous

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



23.0960, 0.5242, 0.3574



23.0960, 0.5016, 0.4316



23.0960, 0.4288, 0.5030

Triad

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



23.0960, 0.5016, 0.4316



23.0960, 0.1681, 0.3458



23.0960, 0.2597, 0.1889

Complementary

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



23.0960, 0.5016, 0.4316



10.6937, 0.1768, 0.1489

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.



23.0960, 0.1840, 0.1743



23.0960, 0.5016, 0.4316



23.0960, 0.1389, 0.2428

Square

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



23.0960, 0.5016, 0.4316



23.0960, 0.2374, 0.4722



23.0960, 0.1450, 0.1893



23.0960, 0.3680, 0.2291

Rectangle

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



23.0960, 0.5016, 0.4316



23.0960, 0.3663, 0.5320



23.0960, 0.1450, 0.1893



23.0960, 0.2302, 0.1810

Sweetspot

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



23.0972, 0.5016, 0.4316



70.6527, 0.3606, 0.3698



11.7177, 0.4995, 0.2593



15.1107, 0.3676, 0.3751



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.0972, 0.5016, 0.4316



37.9858, 0.5188, 0.4262



44.7772, 0.4068, 0.5101



10.4342, 0.3274, 0.3424



14.9428, 0.5154, 0.4290



0.7118, 0.4865, 0.4519

Inverse Universe

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



10.6937, 0.1768, 0.1489



15.7722, 0.1691, 0.1286



4.2421, 0.1578, 0.0693



9.8627, 0.2984, 0.3153



6.3740, 0.1705, 0.1336



0.3792, 0.1839, 0.1819

Previews

White Background



This preview shows how the Yxy color 23.0960, 0.5016, 0.4316 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 Yxy color 23.0960, 0.5016, 0.4316 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](#).

Yxy 23.0960, 0.5016, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 23.0960, 0.5016, 0.4316.



This preview shows how white text looks on a background with the Yxy color 23.0960, 0.5016, 0.4316.

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

23.0960, 0.5016, 0.4316

Protanopia

23.2225, 0.4334, 0.4809

Deuteranopia

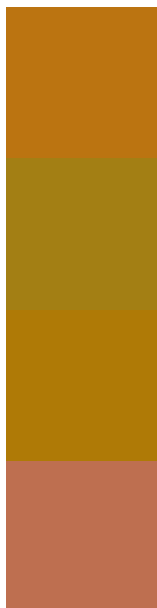
23.2465, 0.4713, 0.4640



Tritanopia

23.0624, 0.4141, 0.3183

Trichromacy



Original Color

23.0960, 0.5016, 0.4316

Protanomaly

23.0158, 0.4588, 0.4627

Deuteranomaly

23.0462, 0.4834, 0.4515

Tritanomaly

22.8952, 0.4592, 0.3706

Monochromacy



Original Color

23.0960, 0.5016, 0.4316

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8869, 0.3899, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0960, 0.5016, 0.4316 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(187, 116, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 116, 17)  
}
```

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(187, 116, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 116, 17) }
```

Border

The CSS property to change the border of an element to Yxy 23.0960, 0.5016, 0.4316 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(187, 116, 17) }
```

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

```
.border{ border-color:rgb(187, 116, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 116, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 116, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 116, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 116,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0960, 0.5016, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 116, 17) }
```

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

```
.background{ background-color: rgb(187,  
116, 17) }
```

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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