

Converting Colors

$Y_{xy}(23.1092, 0.5042, 0.4378)$

Have a look what the booklet for
Yxy(23.1092, 0.5042, 0.4378)
contains.

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Color

Yxy(23.1617, 0.5036, 0.4383)

Conversions

Conversions Part 1

Format	Color
Hex	BA7500
RGB	186, 117, 0
RGB Percent	73%, 46%, 0%
CMY	0.2706, 0.5412, 0.9997
CMYK	0.00, 0.37, 1.00, 0.27
HSL	38°, 100%, 36%
HSV	38°, 100%, 73%
XYZ	26.6124, 23.1617, 3.0703
YIQ	124.2930, 78.6810, -21.7590

Conversions

Conversions Part 2

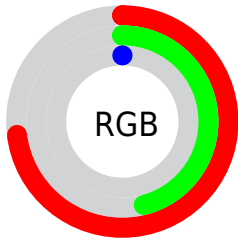
Format	Color
R_{YB}	110, 186, 0
Decimal	12219648
CIE _{Lab}	55.24, 20.04, 61.95
CIE _{LCh}	55, 65.112, 72.073
Yxy	23.1617, 0.5036, 0.4383
Android (android.graphics.Color)	4290409728 (0xFFBA7500)
YUV	124.2930, -61.2764, 54.1170
Hunter-Lab	48.1266, 14.4831, 29.9062

Details

The Yxy color **23.1617, 0.5036, 0.4383** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8132, 0.1661, 0.1180**, and the grayscale version is **20.4520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5553, 0.4699, 0.4260**, and **8.7683, 0.5239, 0.4222** is the 20% darker color. If you saturate the color by 10%, you get **23.1553, 0.5037, 0.4383**, and if you desaturate by 10%, it is **24.8773, 0.4888, 0.4412**.

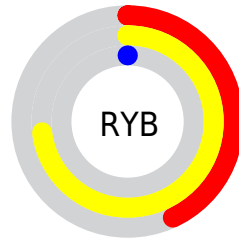
Distribution



Red (73%)

Green (46%)

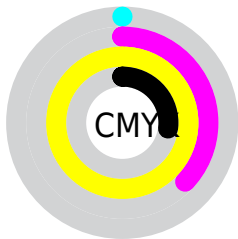
Blue (0%)



Red (43%)

Yellow (73%)

Blue (0%)

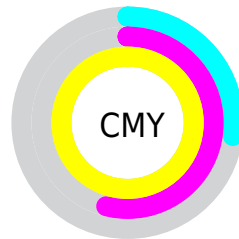


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1617, 0.5036, 0.4383 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 23.1617, 0.5036, 0.4383 by changing the saturation by 10% instead.


 23.1617, 0.5036,
0.4383

 23.1617, 0.5036,
0.4383


268.5544, 0.4065,
0.3927


 14.7130, 0.5237,
0.4423


 48.6587, 0.4703,
0.4263


 8.6182, 0.5523,
0.4477


 66.4757, 0.4570,
0.4202


 4.4930, 0.5670,
0.4330

 88.1843, 0.4455,
0.4145

 1.9530, 0.5904,
0.4096

 114.1689, 0.4355,
0.4093


 0.5799, 0.6456,
0.3544


 144.8138, 0.4268,
0.4045


 0.0000, 0.0000,
0.0000


 180.5034, 0.4192,

0.4002

 221.6222, 0.4125,
0.3963


 23.1617, 0.5036,
0.4383

 23.1617, 0.5036,
0.4383

 23.1553, 0.5037,
0.4383

 24.8773, 0.4888,
0.4412

 26.7564, 0.4712,
0.4396

 28.8187, 0.4510,
0.4331

 31.0744, 0.4293,
0.4225

 33.5324, 0.4071,
0.4089

■ 36.2009, 0.3853,
0.3934

■ 39.0874, 0.3647,
0.3770

■ 42.1989, 0.3457,
0.3605

■ 45.5417, 0.3283,
0.3443

Harmonies

Analogous

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



23.1617, 0.5329, 0.3616



23.1617, 0.5036, 0.4383



23.1617, 0.4251, 0.5125

Triad

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



23.1617, 0.5036, 0.4383



23.1617, 0.1596, 0.3372



23.1617, 0.2641, 0.1865

Complementary

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



23.1617, 0.5036, 0.4383



7.8132, 0.1661, 0.1180

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.



23.1617, 0.1837, 0.1697



23.1617, 0.5036, 0.4383



23.1617, 0.1329, 0.2337

Square

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



23.1617, 0.5036, 0.4383



23.1617, 0.2279, 0.4714



23.1617, 0.1416, 0.1824



23.1617, 0.3781, 0.2292

Rectangle

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



23.1617, 0.5036, 0.4383



23.1617, 0.3598, 0.5417



23.1617, 0.1416, 0.1824



23.1617, 0.2328, 0.1778

Sweetspot

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



23.1629, 0.5036, 0.4383



70.5497, 0.3658, 0.3779



10.9011, 0.5446, 0.2774



15.0392, 0.3744, 0.3849



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.



23.1629, 0.5036, 0.4383



41.4883, 0.5054, 0.4369



43.0463, 0.3989, 0.5214



9.9278, 0.3273, 0.3433



15.7244, 0.5023, 0.4394



0.6686, 0.4757, 0.4605

Inverse Universe

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



7.8132, 0.1661, 0.1180



13.7231, 0.1653, 0.1151



3.7153, 0.1542, 0.0623



9.2509, 0.2985, 0.3142



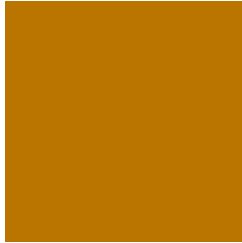
5.3842, 0.1668, 0.1203



0.3101, 0.1818, 0.1744

Previews

White Background



This preview shows how the Yxy color 23.1617, 0.5036, 0.4383 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 23.1617, 0.5036, 0.4383 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 23.1617, 0.5036, 0.4383

Background



This preview shows how black text looks on a background with the Yxy color 23.1617, 0.5036, 0.4383.



This preview shows how white text looks on a background with the Yxy color 23.1617, 0.5036, 0.4383.

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

23.1617, 0.5036, 0.4383

Protanopia

23.2881, 0.4374, 0.4842

Deuteranopia

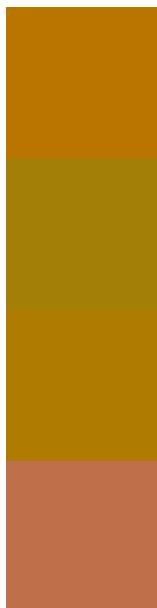
23.2465, 0.4713, 0.4640



Tritanopia

23.2980, 0.4121, 0.3183

Trichromacy



Original Color

23.1617, 0.5036, 0.4383

Protanomaly

22.9828, 0.4623, 0.4672

Deuteranomaly

23.2799, 0.4833, 0.4544

Tritanomaly

22.9016, 0.4643, 0.3795

Monochromacy



Original Color

23.1617, 0.5036, 0.4383

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.4423, 0.3977, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1617, 0.5036, 0.4383 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(186, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 117, 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(186, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1617, 0.5036, 0.4383 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(186, 117, 0) }
```

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

```
.border{ border-color:rgb(186, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1617, 0.5036, 0.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 117, 0) }
```

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

```
.background{ background-color: rgb(186,  
117, 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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