

Converting Colors

$Yxy(23.2861, 0.5188, 0.4517)$

Have a look what the booklet for
Yxy(23.2861, 0.5188, 0.4517)
contains.

Yxy(23.4139, 0.5056, 0.4368)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4139, 0.5056, 0.4368)

Conversions

Conversions Part 1

Format	Color
Hex	BC7500
RGB	188, 117, 0
RGB Percent	74%, 46%, 0%
CMY	0.2627, 0.5412, 1.0000
CMYK	0.00, 0.38, 1.00, 0.26
HSL	37°, 100%, 37%
HSV	37°, 100%, 74%
XYZ	27.1018, 23.4139, 3.0875
YIQ	124.8910, 79.8730, -21.3350

Conversions

Conversions Part 2

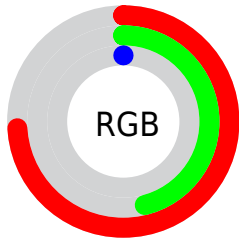
Format	Color
R_{YB}	114, 188, 0
Decimal	12350720
CIE Lab	55.50, 20.92, 62.28
CIE LCh	55, 65.701, 71.430
Yxy	23.4139, 0.5056, 0.4368
Android (android.graphics.Color)	4290540800 (0xFFBC7500)
YUV	124.8910, -61.5713, 55.3466
Hunter-Lab	48.3879, 15.2980, 30.0883

Details

The Yxy color **23.4139, 0.5056, 0.4368** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.1390, 0.1666, 0.1196**, and the grayscale version is **20.6616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9209, 0.4716, 0.4251**, and **8.8014, 0.5287, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **23.4154, 0.5056, 0.4368**, and if you desaturate by 10%, it is **25.1798, 0.4905, 0.4399**.

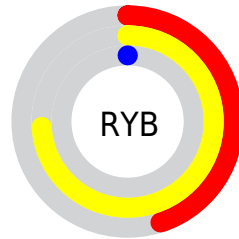
Distribution



Red (74%)

Green (46%)

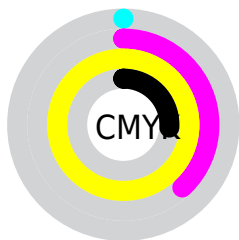
Blue (0%)



Red (45%)

Yellow (74%)

Blue (0%)

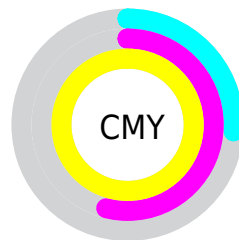


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4139, 0.5056, 0.4368 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 23.4139, 0.5056, 0.4368 by changing the saturation by 10% instead.


 23.4139, 0.5056,
0.4368


 23.4139, 0.5056,
0.4368


269.8438, 0.4076,
0.3924


 14.8994, 0.5258,
0.4405

 49.0721, 0.4720,
0.4253


 8.7488, 0.5546,
0.4454


 66.9845, 0.4586,
0.4194


 4.5777, 0.5698,
0.4302

 88.7985, 0.4470,
0.4138

 2.0017, 0.5937,
0.4063

 114.8983, 0.4369,
0.4087

 0.6085, 0.6468,
0.3532

 145.6683, 0.4281,
0.4040

 0.0000, 1.0000,
0.0000

 181.4930, 0.4204,

 0.0000, 0.0000,

0.3998

0.0000

222.7567, 0.4137,
0.3959

23.4139, 0.5056,
0.4368

23.4139, 0.5056,
0.4368

23.4154, 0.5056,
0.4368

25.1798, 0.4905,
0.4399

27.1171, 0.4727,
0.4385

29.2463, 0.4522,
0.4322

31.5781, 0.4301,
0.4217

34.1218, 0.4077,
0.4083

■ 36.8859, 0.3858,
0.3929

■ 39.8782, 0.3650,
0.3767

■ 43.1060, 0.3458,
0.3603

■ 46.5760, 0.3284,
0.3443

Harmonies

Analogous

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



23.4139, 0.5338, 0.3599



23.4139, 0.5056, 0.4368



23.4139, 0.4274, 0.5119

Triad

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



23.4139, 0.5056, 0.4368



23.4139, 0.1599, 0.3399



23.4139, 0.2616, 0.1853

Complementary

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



23.4139, 0.5056, 0.4368



8.1390, 0.1666, 0.1196

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.



23.4139, 0.1818, 0.1690



23.4139, 0.5056, 0.4368



23.4139, 0.1324, 0.2348

Square

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



23.4139, 0.5056, 0.4368



23.4139, 0.2293, 0.4748



23.4139, 0.1404, 0.1824



23.4139, 0.3758, 0.2276

Rectangle

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



23.4139, 0.5056, 0.4368



23.4139, 0.3620, 0.5423



23.4139, 0.1404, 0.1824



23.4139, 0.2305, 0.1768

Sweetspot

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



23.4154, 0.5056, 0.4368



71.9884, 0.3660, 0.3775



11.1615, 0.5449, 0.2775



14.9799, 0.3746, 0.3844



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.



23.4154, 0.5056, 0.4368



41.9439, 0.5073, 0.4354



44.0860, 0.3989, 0.5215



10.4985, 0.3273, 0.3433



16.0872, 0.5042, 0.4379



0.7523, 0.4789, 0.4580

Inverse Universe

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



8.1390, 0.1666, 0.1196



14.3144, 0.1658, 0.1168



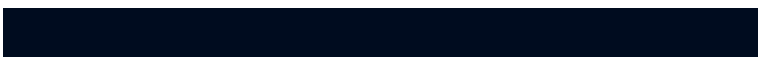
3.8011, 0.1541, 0.0623



9.8000, 0.2984, 0.3143



5.6738, 0.1672, 0.1219



0.3492, 0.1810, 0.1716

Previews

White Background



This preview shows how the Yxy color 23.4139, 0.5056, 0.4368 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 23.4139, 0.5056, 0.4368 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 23.4139, 0.5056, 0.4368

Background



This preview shows how black text looks on a background with the Yxy color 23.4139, 0.5056, 0.4368.



This preview shows how white text looks on a background with the Yxy color 23.4139, 0.5056, 0.4368.

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

23.4139, 0.5056, 0.4368

Protanopia

23.6612, 0.4371, 0.4840

Deuteranopia

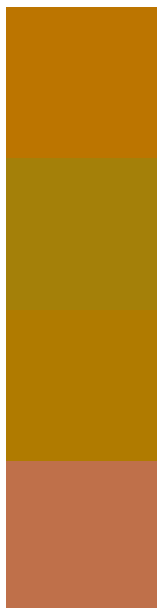
23.6138, 0.4709, 0.4643



Tritanopia

23.5591, 0.4145, 0.3184

Trichromacy



Original Color

23.4139, 0.5056, 0.4368

Protanomaly

23.3506, 0.4618, 0.4672

Deuteranomaly

23.3960, 0.4844, 0.4536

Tritanomaly

23.1591, 0.4666, 0.3789

Monochromacy



Original Color

23.4139, 0.5056, 0.4368

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7942, 0.3971, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4139, 0.5056, 0.4368 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, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.4139, 0.5056, 0.4368 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, 117, 0) }
```

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

```
.border{ border-color:rgb(188, 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(188, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4139, 0.5056, 0.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 117, 0) }
```

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

```
.background{ background-color: rgb(188,  
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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