

Converting Colors

$Y_{xy}(23.3154, 0.5180, 0.4261)$

Have a look what the booklet for
Yxy(23.3154, 0.5180, 0.4261)
contains.

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Color

Yxy(23.4167, 0.5175, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	C37102
RGB	195, 113, 2
RGB Percent	76%, 44%, 1%
CMY	0.2353, 0.5568, 0.9919
CMYK	0.00, 0.42, 0.99, 0.24
HSL	35°, 98%, 39%
HSV	35°, 99%, 76%
XYZ	28.4197, 23.4167, 3.0809
YIQ	124.8640, 84.5030, -17.1370

Conversions

Conversions Part 2

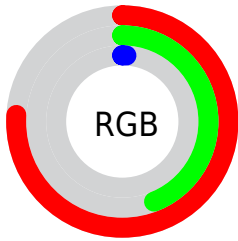
Format	Color
R_{YB}	145, 195, 2
Decimal	12808450
CIE Lab	55.50, 26.16, 62.33
CIE LCh	55, 67.597, 67.231
Yxy	23.4167, 0.5175, 0.4264
Android (android.graphics.Color)	4290998530 (0xFFC37102)
YUV	124.8640, -60.5720, 61.5093
Hunter-Lab	48.3908, 20.1482, 30.0988

Details

The Yxy color **23.4167, 0.5175, 0.4264** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **10.2984, 0.1711, 0.1350**, and the grayscale version is **20.6497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5755, 0.4801, 0.4186**, and **8.8177, 0.5444, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **23.2193, 0.5193, 0.4259**, and if you desaturate by 10%, it is **25.4038, 0.5002, 0.4305**.

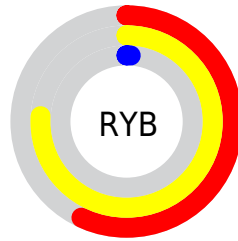
Distribution



Red (76%)

Green (44%)

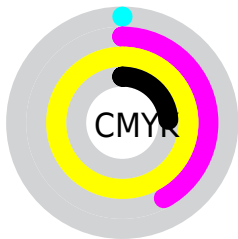
Blue (1%)



Red (57%)

Yellow (76%)

Blue (1%)

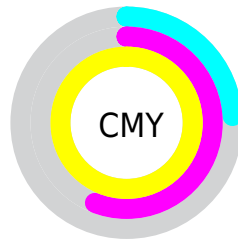


Cyan (0%)

Magenta (42%)

Yellow (99%)

Black (24%)



Cyan (24%)


Magenta (56%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4167, 0.5175, 0.4264 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 23.4167, 0.5175, 0.4264 by changing the saturation by 10% instead.


 23.4167, 0.5175,
0.4264

 23.4167, 0.5175,
0.4264


269.8581, 0.4130,
0.3890


 14.9015, 0.5394,
0.4279

 49.0766, 0.4815,
0.4178


 8.7503, 0.5704,
0.4296


 66.9902, 0.4671,
0.4129

 4.5787, 0.5887,
0.4113

 88.8053, 0.4548,
0.4081

 2.0022, 0.6172,
0.3828

 114.9063, 0.4440,
0.4036

 0.6088, 0.6770,
0.3230

 145.6778, 0.4347,
0.3995


 0.0000, 1.0000,
0.0000


 181.5039, 0.4266,


 0.0000, 0.0000,


0.3957


0.0000


 222.7692, 0.4194,
0.3922


 23.4167, 0.5175,
0.4264


 23.4167, 0.5175,
0.4264


 23.2193, 0.5193,
0.4259

 25.4038, 0.5002,
0.4305

 27.6152, 0.4798,
0.4298

 30.0714, 0.4569,
0.4240

 32.7850, 0.4327,
0.4142

 35.7675, 0.4086,
0.4014

■ 39.0292, 0.3855,
0.3869

■ 42.5796, 0.3640,
0.3717

■ 46.4278, 0.3444,
0.3565

■ 50.5822, 0.3268,
0.3416

Harmonies

Analogous

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



23.4167, 0.5376, 0.3490



23.4167, 0.5175, 0.4264



23.4167, 0.4420, 0.5058

Triad

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



23.4167, 0.5175, 0.4264



23.4167, 0.1634, 0.3590



23.4167, 0.2462, 0.1783

Complementary

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



23.4167, 0.5175, 0.4264



10.2984, 0.1711, 0.1350

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.



23.4167, 0.1708, 0.1656



23.4167, 0.5175, 0.4264



23.4167, 0.1301, 0.2435

Square

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



23.4167, 0.5175, 0.4264



23.4167, 0.2395, 0.4963



23.4167, 0.1338, 0.1837



23.4167, 0.3597, 0.2178

Rectangle

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



23.4167, 0.5175, 0.4264



23.4167, 0.3764, 0.5439



23.4167, 0.1338, 0.1837



23.4167, 0.2164, 0.1709

Sweetspot

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



23.4179, 0.5175, 0.4264



75.2711, 0.3671, 0.3741



12.3115, 0.5221, 0.2657



15.8782, 0.3763, 0.3806



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.4179, 0.5175, 0.4264



41.0871, 0.5212, 0.4244



48.9894, 0.4076, 0.5140



11.0181, 0.3275, 0.3422



15.2629, 0.5176, 0.4273



0.7938, 0.4900, 0.4491

Inverse Universe

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



10.2984, 0.1711, 0.1350



17.6274, 0.1696, 0.1304



4.0851, 0.1525, 0.0619



10.4358, 0.2984, 0.3154



6.7265, 0.1710, 0.1356



0.4270, 0.1834, 0.1801

Previews

White Background



This preview shows how the Yxy color 23.4167, 0.5175, 0.4264 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 23.4167, 0.5175, 0.4264 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 23.4167, 0.5175, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 23.4167, 0.5175, 0.4264.



This preview shows how white text looks on a background with the Yxy color 23.4167, 0.5175, 0.4264.

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

23.4167, 0.5175, 0.4264

Protanopia

23.6640, 0.4368, 0.4836

Deuteranopia

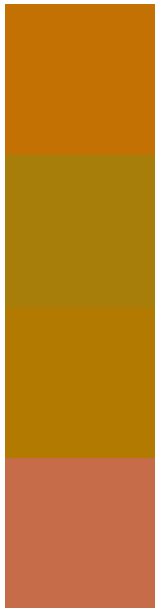
23.6138, 0.4709, 0.4643



Tritanopia

23.4375, 0.4297, 0.3189

Trichromacy



Original Color

23.4167, 0.5175, 0.4264

Protanomaly

23.1591, 0.4678, 0.4620

Deuteranomaly

23.3862, 0.4878, 0.4504

Tritanomaly

23.2119, 0.4794, 0.3727

Monochromacy



Original Color

23.4167, 0.5175, 0.4264

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7380, 0.4005, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4167, 0.5175, 0.4264 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(195, 113, 2)` looks like.

```
.text, #text, p{  
    color:rgb(195, 113, 2)  
}
```

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(195, 113, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 113, 2) }
```

Border

The CSS property to change the border of an element to Yxy 23.4167, 0.5175, 0.4264 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(195, 113, 2) }
```

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

```
.border{ border-color:rgb(195, 113, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 113, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 113, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 113, 2);  
box-shadow:4px 4px 4px 4px rgb(195, 113,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4167, 0.5175, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 113, 2) }
```

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

```
.background{ background-color: rgb(195,  
113, 2) }
```

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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