

Converting Colors

$Y_{xy}(23.1304, 0.4679, 0.3935)$

Have a look what the booklet for
Yxy(23.1304, 0.4679, 0.3935)
contains.

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Color

Yxy(23.2196, 0.4679, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	BB7342
RGB	187, 115, 66
RGB Percent	73%, 45%, 26%
CMY	0.2666, 0.5490, 0.7412
CMYK	0.00, 0.39, 0.65, 0.27
HSL	24°, 48%, 50%
HSV	24°, 65%, 73%
XYZ	27.6098, 23.2196, 8.1785
YIQ	130.9420, 58.6410, 0.0250

Conversions

Conversions Part 2

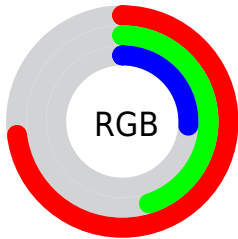
Format	Color
R_{YB}	187, 148, 66
Decimal	12284738
CIE _{Lab}	55.30, 23.82, 38.54
CIE _{LCh}	55, 45.309, 58.281
Yxy	23.2196, 0.4679, 0.3935
Android (android.graphics.Color)	4290474818 (0xFFBB7342)
YUV	130.9420, -32.0164, 49.1629
Hunter-Lab	48.1867, 17.9493, 23.6677

Details

The Yxy color **23.2196, 0.4679, 0.3935** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.9234, 0.2169, 0.2449**, and the grayscale version is **22.7761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6494, 0.4365, 0.3842**, and **8.6106, 0.5191, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **20.6486, 0.4997, 0.3976**, and if you desaturate by 10%, it is **26.1714, 0.4366, 0.3860**.

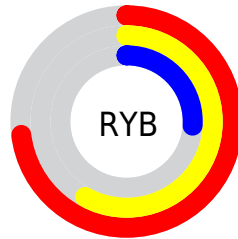
Distribution



Red (73%)

Green (45%)

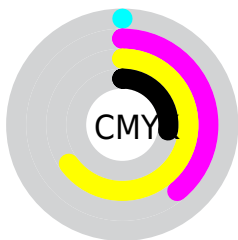
Blue (26%)



Red (73%)

Yellow (58%)

Blue (26%)

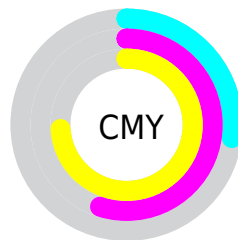


Cyan (0%)

Magenta (39%)

Yellow (65%)

Black (27%)



Cyan (27%)


Magenta (55%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2196, 0.4679, 0.3935 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 23.2196, 0.4679, 0.3935 by changing the saturation by 10% instead.


 23.2196, 0.4679,
0.3935


 23.2196, 0.4679,
0.3935


268.8509, 0.3827,
0.3640


 14.7557, 0.4905,
0.3983


 48.7537, 0.4356,
0.3842


 8.6481, 0.5194,
0.4020

 66.5926, 0.4238,
0.3802


 4.5124, 0.5622,
0.4058

 88.3255, 0.4140,
0.3767

 1.9641, 0.6076,
0.3924

 114.3365, 0.4058,
0.3735

 0.5865, 0.6671,
0.3329

 145.0102, 0.3987,
0.3707

 0.0000, 1.0000,
0.0000

180.7309, 0.3927,

 0.0000, 0.0000,

0.3682

0.0000

221.8830, 0.3874,
0.3660

■ 23.2196, 0.4679,
0.3935

■ 23.2196, 0.4679,
0.3935

■ 20.6486, 0.4997,
0.3976

■ 26.1714, 0.4366,
0.3860

■ 18.4368, 0.5298,
0.3970

■ 29.5173, 0.4074,
0.3764

■ 16.5648, 0.5559,
0.3912

■ 33.2737, 0.3810,
0.3657

■ 15.6989, 0.5684,
0.3869

■ 37.4554, 0.3578,
0.3547

■ 42.0760, 0.3375,
0.3439

■ 47.1486, 0.3201,
0.3336

■ 52.6858, 0.3051,
0.3240

■ 58.6994, 0.2922,
0.3151

■ 65.2011, 0.2812,
0.3069

Harmonies

Analogous

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



23.2196, 0.4595, 0.3352



23.2196, 0.4679, 0.3935



23.2196, 0.4305, 0.4469

Triad

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



23.2196, 0.4679, 0.3935



23.2196, 0.2230, 0.3785



23.2196, 0.2479, 0.2130

Complementary

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



23.2196, 0.4679, 0.3935



22.9234, 0.2169, 0.2449

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.



23.2196, 0.1984, 0.2115



23.2196, 0.4679, 0.3935



23.2196, 0.1847, 0.2949

Square

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



23.2196, 0.4679, 0.3935



23.2196, 0.2882, 0.4532



23.2196, 0.1771, 0.2373



23.2196, 0.3220, 0.2377

Rectangle

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



23.2196, 0.4679, 0.3935



23.2196, 0.3883, 0.4709



23.2196, 0.1771, 0.2373



23.2196, 0.2283, 0.2098

Sweetspot

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



23.2208, 0.4679, 0.3935



71.4479, 0.3465, 0.3488



16.3138, 0.3902, 0.2351



15.2153, 0.3524, 0.3520



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.



23.2208, 0.4679, 0.3935



35.0976, 0.5137, 0.3979



41.5849, 0.4106, 0.4640



10.1536, 0.3278, 0.3383



10.9489, 0.5663, 0.3886



0.5577, 0.5229, 0.4230

Inverse Universe

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



22.9234, 0.2169, 0.2449



34.3647, 0.2013, 0.2221



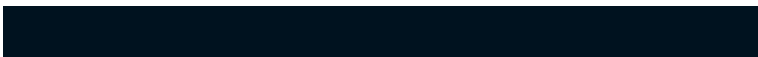
10.2076, 0.1926, 0.1410



10.1437, 0.2984, 0.3195



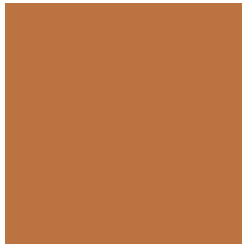
10.4907, 0.1868, 0.1923



0.5362, 0.1968, 0.2286

Previews

White Background



This preview shows how the Yxy color 23.2196, 0.4679, 0.3935 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 23.2196, 0.4679, 0.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

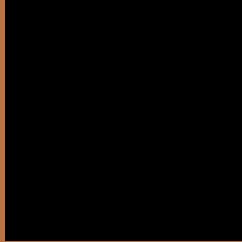
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2196, 0.4679, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 23.2196, 0.4679, 0.3935.



This preview shows how white text looks on a background with the Yxy color 23.2196, 0.4679, 0.3935.

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

23.2196, 0.4679, 0.3935

Protanopia

23.3539, 0.3945, 0.4303

Deuteranopia

23.1731, 0.4321, 0.4231



Tritanopia

23.1688, 0.4109, 0.3182

Trichromacy



Original Color

23.2196, 0.4679, 0.3935

Protanomaly

22.9410, 0.4214, 0.4156

Deuteranomaly

23.0599, 0.4450, 0.4122

Tritanomaly

23.0695, 0.4347, 0.3473

Monochromacy



Original Color

23.2196, 0.4679, 0.3935

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3081, 0.3665, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2196, 0.4679, 0.3935 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, 115, 66)` looks like.

```
.text, #text, p{  
    color:rgb(187, 115, 66)  
}
```

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, 115, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 115, 66) }
```

Border

The CSS property to change the border of an element to Yxy 23.2196, 0.4679, 0.3935 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, 115, 66) }
```

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

```
.border{ border-color:rgb(187, 115, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 115, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 115, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 115, 66);  
box-shadow:4px 4px 4px 4px rgb(187, 115,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2196, 0.4679, 0.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 115, 66) }
```

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

```
.background{ background-color: rgb(187,  
115, 66) }
```

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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