

Converting Colors

$Y_{xy}(12.2530, 0.5914, 0.3648)$

Have a look what the booklet for
Yxy(12.2530, 0.5914, 0.3648)
contains.

Yxy(12.3270, 0.5916, 0.3649)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3270, 0.5916, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	B33705
RGB	179, 55, 5
RGB Percent	70%, 22%, 2%
CMY	0.2980, 0.7843, 0.9804
CMYK	0.00, 0.69, 0.97, 0.30
HSL	17°, 95%, 36%
HSV	17°, 97%, 70%
XYZ	19.9853, 12.3270, 1.4695
YIQ	86.3760, 89.9540, 10.7380

Conversions

Conversions Part 2

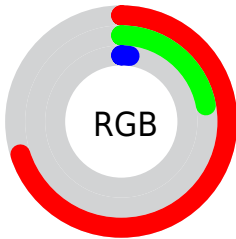
Format	Color
R _Y B	179, 75, 5
Decimal	11745029
CIE Lab	41.73, 48.48, 51.92
CIE LCh	42, 71.035, 46.961
Yxy	12.3270, 0.5916, 0.3649
Android (android.graphics.Color)	4289935109 (0xFFB33705)
YUV	86.3760, -40.1184, 81.2312
Hunter-Lab	35.1098, 40.1642, 22.0953

Details

The Yxy color **12.3270, 0.5916, 0.3649** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.9901, 0.1994, 0.2359**, and the grayscale version is **9.4632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1200, 0.5321, 0.3740**, and **3.7819, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.9904, 0.5988, 0.3627**, and if you desaturate by 10%, it is **13.7508, 0.5634, 0.3725**.

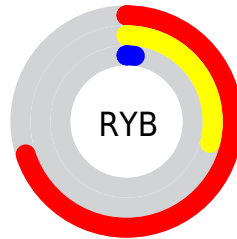
Distribution



Red (70%)

Green (22%)

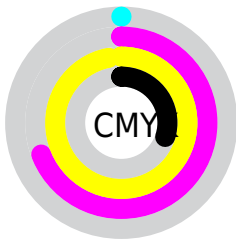
Blue (2%)



Red (70%)

Yellow (29%)

Blue (2%)

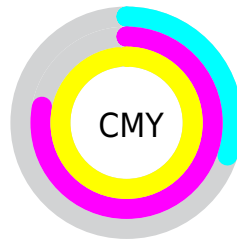


Cyan (0%)

Magenta (69%)

Yellow (97%)

Black (30%)



Cyan (30%)


Magenta (78%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3270, 0.5916, 0.3649 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 12.3270, 0.5916, 0.3649 by changing the saturation by 10% instead.


 12.3270, 0.5916,
0.3649


 12.3270, 0.5916,
0.3649

 206.5583, 0.4333,
0.3658


 6.9668, 0.6356,
0.3545


 30.0893, 0.5328,
0.3737


 3.4413, 0.6752,
0.3248

 43.2601, 0.5106,
0.3741

 1.3663, 0.7252,
0.2748

 59.8033, 0.4920,
0.3733

 0.1917, 0.8855,
0.1145

 80.1033, 0.4764,
0.3721

 0.0000, 1.0000,
0.0000


 104.5443, 0.4631,
0.3706


 0.0000, 0.0000,
0.0000


 133.5109, 0.4517,

0.3690

 167.3874, 0.4419,
0.3673

 12.3270, 0.5916,
0.3649


 12.3270, 0.5916,
0.3649

 11.9904, 0.5988,
0.3627

 13.7508, 0.5634,
0.3725

 15.5560, 0.5291,
0.3759

 17.7734, 0.4920,
0.3751

 20.4284, 0.4553,
0.3709

 23.5442, 0.4213,
0.3646

■ 27.1419, 0.3912,
0.3572

■ 31.2416, 0.3652,
0.3493

■ 35.8621, 0.3430,
0.3415

■ 41.0211, 0.3243,
0.3341

Harmonies

Analogous

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



12.3270, 0.5600, 0.2856



12.3270, 0.5916, 0.3649



12.3270, 0.5302, 0.4626

Triad

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



12.3270, 0.5916, 0.3649



12.3270, 0.1787, 0.4999



12.3270, 0.1634, 0.1352

Complementary

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



12.3270, 0.5916, 0.3649



18.9901, 0.1994, 0.2359

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.



12.3270, 0.1099, 0.1412



12.3270, 0.5916, 0.3649



12.3270, 0.1111, 0.3044

Square

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



12.3270, 0.5916, 0.3649



12.3270, 0.2911, 0.6181



12.3270, 0.0930, 0.1875



12.3270, 0.2681, 0.1598

Rectangle

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



12.3270, 0.5916, 0.3649



12.3270, 0.4590, 0.5367



12.3270, 0.0930, 0.1875



12.3270, 0.1407, 0.1337

Sweetspot

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



12.3277, 0.5916, 0.3649



54.1909, 0.3708, 0.3511



11.2969, 0.4049, 0.2019



11.3142, 0.3817, 0.3544



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.3277, 0.5916, 0.3649



21.1401, 0.6016, 0.3605



28.7356, 0.4611, 0.4701



8.8899, 0.3280, 0.3356



8.5709, 0.5967, 0.3644



0.3721, 0.5411, 0.4086

Inverse Universe

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



18.9901, 0.1994, 0.2359



32.8744, 0.1976, 0.2312



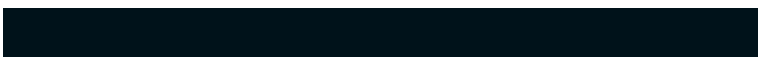
4.9933, 0.1583, 0.0873



9.2107, 0.2986, 0.3223



13.2453, 0.1984, 0.2341



0.5106, 0.2066, 0.2637

Previews

White Background



This preview shows how the Yxy color 12.3270, 0.5916, 0.3649 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

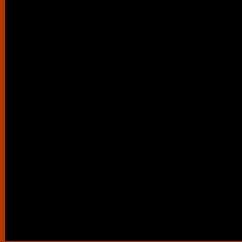
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3270, 0.5916, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 12.3270, 0.5916, 0.3649.



This preview shows how white text looks on a background with the Yxy color 12.3270, 0.5916, 0.3649.

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

12.3270, 0.5916, 0.3649

Protanopia

12.6096, 0.4293, 0.4763

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.3373, 0.5470, 0.3265

Trichromacy



Original Color

12.3270, 0.5916, 0.3649

Protanomaly

11.6094, 0.4966, 0.4299

Deuteranomaly

11.7614, 0.5221, 0.4219

Tritanomaly

12.2867, 0.5718, 0.3449

Monochromacy



Original Color

12.3270, 0.5916, 0.3649

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3206, 0.4329, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3270, 0.5916, 0.3649 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(179, 55, 5)` looks like.

```
.text, #text, p{  
    color:rgb(179, 55, 5)  
}
```

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(179, 55, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 55, 5) }
```

Border

The CSS property to change the border of an element to Yxy 12.3270, 0.5916, 0.3649 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(179, 55, 5) }
```

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

```
.border{ border-color:rgb(179, 55, 5) }
```

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

Here you see how a box with a 4 pixel rgb(179, 55, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 55, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 55, 5);  
box-shadow:4px 4px 4px 4px rgb(179, 55, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3270, 0.5916, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 55, 5) }
```

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

```
.background{ background-color: rgb(179, 55,  
5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor