

Converting Colors

$Y_{xy}(12.2549, 0.6107, 0.3533)$

Have a look what the booklet for
Yxy(12.2549, 0.6107, 0.3533)
contains.

Yxy(12.2405, 0.6106, 0.3534)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2405, 0.6106, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	BA2C00
RGB	186, 44, 0
RGB Percent	73%, 17%, 0%
CMY	0.2706, 0.8274, 1.0000
CMYK	0.00, 0.76, 1.00, 0.27
HSL	14°, 100%, 36%
HSV	14°, 100%, 73%
XYZ	21.1490, 12.2405, 1.2469
YIQ	81.4420, 98.7560, 16.4200

Conversions

Conversions Part 2

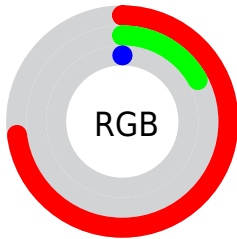
Format	Color
RYB	186, 58, 0
Decimal	12200960
CIELab	41.60, 54.73, 54.22
CIELCh	42, 77.040, 44.735
Yxy	12.2405, 0.6106, 0.3534
Android (android.graphics.Color)	4290391040 (0xFFBA2C00)
YUV	81.4420, -40.1509, 91.6974
Hunter-Lab	34.9864, 46.6754, 22.3774

Details

The Yxy color **12.2405, 0.6106, 0.3534** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.8813, 0.2030, 0.2506**, and the grayscale version is **8.3896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8977, 0.5487, 0.3666**, and **4.2110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2413, 0.6106, 0.3534**, and if you desaturate by 10%, it is **13.5323, 0.5840, 0.3611**.

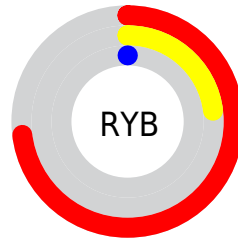
Distribution



Red (73%)

Green (17%)

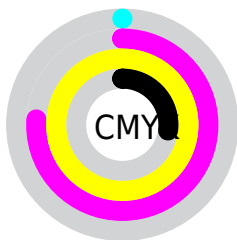
Blue (0%)



Red (73%)

Yellow (23%)

Blue (0%)

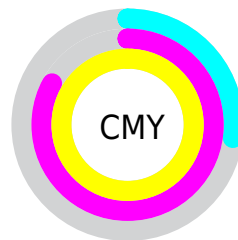


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (83%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2405, 0.6106, 0.3534 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 12.2405, 0.6106, 0.3534 by changing the saturation by 10% instead.


 12.2405, 0.6106,
0.3534


 12.2405, 0.6106,
0.3534


 205.9910, 0.4430,
0.3639


 6.9077, 0.6584,
0.3408


 29.9324, 0.5492,
0.3668


 3.4044, 0.6947,
0.3053

 43.0602, 0.5258,
0.3686


 1.3463, 0.7474,
0.2526

 59.5552, 0.5060,
0.3689

 0.1767, 0.9055,
0.0945

 79.8017, 0.4894,
0.3684

 0.0000, 1.0000,
0.0000


 104.1842, 0.4751,
0.3675


 0.0000, 0.0000,
0.0000


 133.0870, 0.4629,


0.3664


 166.8944, 0.4523,
0.3652


 12.2405, 0.6106,
0.3534

 12.2405, 0.6106,
0.3534

 12.2413, 0.6106,
0.3534

 13.5323, 0.5840,
0.3611

 15.2619, 0.5499,
0.3660

 17.4759, 0.5110,
0.3670

 20.2087, 0.4716,
0.3647

 23.4918, 0.4346,
0.3601

■ 27.3536, 0.4017,
0.3542

■ 31.8209, 0.3734,
0.3477

■ 36.9185, 0.3494,
0.3412

■ 42.6700, 0.3294,
0.3349

Harmonies

Analogous

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



12.2405, 0.5720, 0.2738



12.2405, 0.6106, 0.3534



12.2405, 0.5461, 0.4539

Triad

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



12.2405, 0.6106, 0.3534



12.2405, 0.1743, 0.5332



12.2405, 0.1486, 0.1245

Complementary

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



12.2405, 0.6106, 0.3534



22.8813, 0.2030, 0.2506

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.



12.2405, 0.0974, 0.1323



12.2405, 0.6106, 0.3534



12.2405, 0.1020, 0.3130

Square

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



12.2405, 0.6106, 0.3534



12.2405, 0.2923, 0.6442



12.2405, 0.0823, 0.1827



12.2405, 0.2535, 0.1474

Rectangle

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



12.2405, 0.6106, 0.3534



12.2405, 0.4679, 0.5321



12.2405, 0.0823, 0.1827



12.2405, 0.1267, 0.1235

Sweetspot

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



12.2413, 0.6106, 0.3534



57.2539, 0.3747, 0.3480



12.4090, 0.3904, 0.1925



11.8276, 0.3862, 0.3508



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.



12.2413, 0.6106, 0.3534



21.8816, 0.6131, 0.3514



28.1578, 0.4759, 0.4603



9.3481, 0.3282, 0.3345



8.3350, 0.6084, 0.3551



0.3917, 0.5576, 0.3955

Inverse Universe

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



22.8813, 0.2030, 0.2506



41.0859, 0.2026, 0.2492



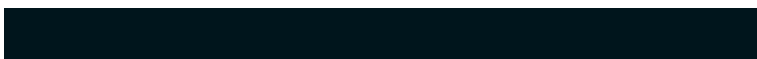
5.7918, 0.1590, 0.0922



9.8405, 0.2985, 0.3235



15.5149, 0.2033, 0.2517



0.6356, 0.2094, 0.2739

Previews

White Background



This preview shows how the Yxy color 12.2405, 0.6106, 0.3534 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



This preview shows how the Yxy color 12.2405, 0.6106, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

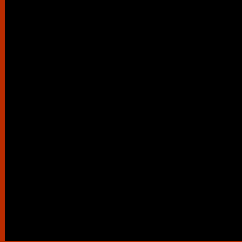
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2405, 0.6106, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 12.2405, 0.6106, 0.3534.



This preview shows how white text looks on a background with the Yxy color 12.2405, 0.6106, 0.3534.

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

12.2405, 0.6106, 0.3534

Protanopia

12.6170, 0.4280, 0.4744

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.1921, 0.5790, 0.3289

Trichromacy



Original Color

12.2405, 0.6106, 0.3534

Protanomaly

11.2580, 0.5087, 0.4212

Deuteranomaly

11.3719, 0.5332, 0.4148

Tritanomaly

12.1742, 0.5957, 0.3409

Monochromacy



Original Color

12.2405, 0.6106, 0.3534

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.3041, 0.4494, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2405, 0.6106, 0.3534 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, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 44, 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, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 44, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2405, 0.6106, 0.3534 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, 44, 0) }
```

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

```
.border{ border-color:rgb(186, 44, 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, 44, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 44, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2405, 0.6106, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 44, 0) }
```

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

```
.background{ background-color: rgb(186, 44,  
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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