

Converting Colors

$Y_{xy}(12.1871, 0.6165, 0.3466)$

Have a look what the booklet for
Yxy(12.1871, 0.6165, 0.3466)
contains.

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Color

Yxy(12.2116, 0.6162, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	BD2603
RGB	189, 38, 3
RGB Percent	74%, 15%, 1%
CMY	0.2589, 0.8507, 0.9884
CMYK	0.00, 0.80, 0.98, 0.26
HSL	11°, 97%, 38%
HSV	11°, 98%, 74%
XYZ	21.6915, 12.2116, 1.2990
YIQ	79.1590, 101.2310, 21.1270

Conversions

Conversions Part 2

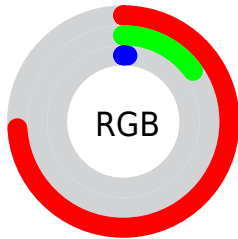
Format	Color
RYB	189, 46, 3
Decimal	12396035
CIELab	41.55, 57.49, 53.53
CIELCh	42, 78.551, 42.954
Yxy	12.2116, 0.6162, 0.3469
Android (android.graphics.Color)	4290586115 (0xFFBD2603)
YUV	79.1590, -37.5464, 96.3306
Hunter-Lab	34.9451, 49.6466, 22.2577

Details

The Yxy color **12.2116, 0.6162, 0.3469** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **26.7654, 0.2081, 0.2684**, and the grayscale version is **7.9147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8961, 0.5542, 0.3615**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0566, 0.6199, 0.3460**, and if you desaturate by 10%, it is **13.4553, 0.5893, 0.3537**.

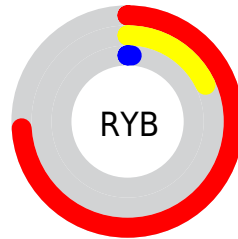
Distribution



Red (74%)

Green (15%)

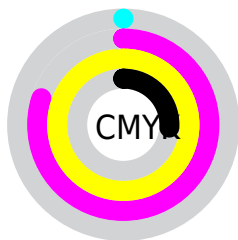
Blue (1%)



Red (74%)

Yellow (18%)

Blue (1%)

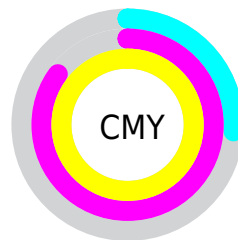


Cyan (0%)

Magenta (80%)

Yellow (98%)

Black (26%)



Cyan (26%)


Magenta (85%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2116, 0.6162, 0.3469 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 12.2116, 0.6162, 0.3469 by changing the saturation by 10% instead.


 12.2116, 0.6162,
0.3469

 12.2116, 0.6162,
0.3469


 205.8011, 0.4451,
0.3612


 6.8880, 0.6642,
0.3328


 29.8799, 0.5534,
0.3617


 3.3921, 0.7029,
0.2971

 42.9934, 0.5294,
0.3640


 1.3397, 0.7565,
0.2435

 59.4722, 0.5093,
0.3648

 0.1716, 0.9127,
0.0873

 79.7008, 0.4923,
0.3647


 0.0000, 1.0000,
0.0000


 104.0637, 0.4778,
0.3642


 0.0000, 0.0000,
0.0000


 132.9451, 0.4654,


0.3633


 166.7294, 0.4546,
0.3623


 12.2116, 0.6162,
0.3469


 12.2116, 0.6162,
0.3469


 12.0566, 0.6199,
0.3460

 13.4553, 0.5893,
0.3537

 15.1967, 0.5532,
0.3579

 17.4879, 0.5122,
0.3588

 20.3715, 0.4709,
0.3569

 23.8855, 0.4326,
0.3532

■ 28.0646, 0.3990,
0.3484

■ 32.9413, 0.3704,
0.3432

■ 38.5455, 0.3465,
0.3379

■ 44.9056, 0.3267,
0.3329

Harmonies

Analogous

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



12.2116, 0.5701, 0.2677



12.2116, 0.6162, 0.3469



12.2116, 0.5537, 0.4463

Triad

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



12.2116, 0.6162, 0.3469



12.2116, 0.1775, 0.5509



12.2116, 0.1420, 0.1216

Complementary

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



12.2116, 0.6162, 0.3469



26.7654, 0.2081, 0.2684

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.



12.2116, 0.0932, 0.1313



12.2116, 0.6162, 0.3469



12.2116, 0.1016, 0.3235

Square

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



12.2116, 0.6162, 0.3469



12.2116, 0.2978, 0.6496



12.2116, 0.0798, 0.1851



12.2116, 0.2441, 0.1429

Rectangle

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



12.2116, 0.6162, 0.3469



12.2116, 0.4750, 0.5250



12.2116, 0.0798, 0.1851



12.2116, 0.1210, 0.1212

Sweetspot

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



12.2124, 0.6162, 0.3469



57.1185, 0.3759, 0.3442



13.2426, 0.3726, 0.1833



11.4814, 0.3877, 0.3464



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.



12.2124, 0.6162, 0.3469



21.3449, 0.6221, 0.3443



26.8072, 0.4870, 0.4503



9.8199, 0.3284, 0.3334



8.1990, 0.6180, 0.3475



0.4105, 0.5739, 0.3825

Inverse Universe

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



26.7654, 0.2081, 0.2684



47.2510, 0.2073, 0.2663



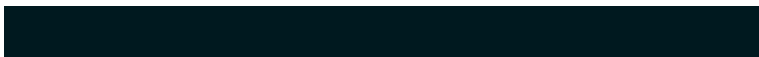
7.1234, 0.1632, 0.1063



10.4952, 0.2985, 0.3246



17.9818, 0.2078, 0.2682



0.7847, 0.2123, 0.2843

Previews

White Background



This preview shows how the Yxy color 12.2116, 0.6162, 0.3469 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

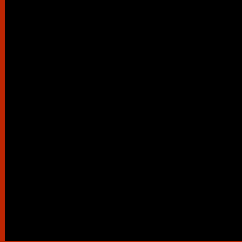
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2116, 0.6162, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 12.2116, 0.6162, 0.3469.



This preview shows how white text looks on a background with the Yxy color 12.2116, 0.6162, 0.3469.

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

12.2116, 0.6162, 0.3469

Protanopia

12.6209, 0.4274, 0.4734

Deuteranopia

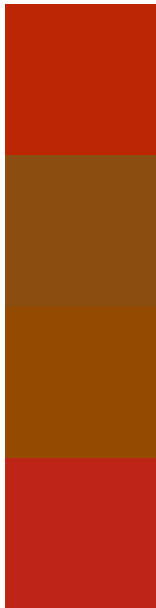
12.3654, 0.4692, 0.4656



Tritanopia

12.2019, 0.5939, 0.3306

Trichromacy



Original Color

12.2116, 0.6162, 0.3469

Protanomaly

10.9206, 0.5144, 0.4142

Deuteranomaly

11.1956, 0.5377, 0.4104

Tritanomaly

12.2038, 0.6052, 0.3388

Monochromacy



Original Color

12.2116, 0.6162, 0.3469

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.8277, 0.4567, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2116, 0.6162, 0.3469 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(189, 38, 3)` looks like.

```
.text, #text, p{  
    color:rgb(189, 38, 3)  
}
```

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(189, 38, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 38, 3) }
```

Border

The CSS property to change the border of an element to Yxy 12.2116, 0.6162, 0.3469 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(189, 38, 3) }
```

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

```
.border{ border-color:rgb(189, 38, 3) }
```

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

Here you see how a box with a 4 pixel rgb(189, 38, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 38, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 38, 3);  
box-shadow:4px 4px 4px 4px rgb(189, 38, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2116, 0.6162, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 38, 3) }
```

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

```
.background{ background-color: rgb(189, 38,  
3) }
```

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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