

Converting Colors

$Y_{xy}(12.2542, 0.5850, 0.3479)$

Have a look what the booklet for
Yxy(12.2542, 0.5850, 0.3479)
contains.

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Color

Yxy(12.2255, 0.5852, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	B6311C
RGB	182, 49, 28
RGB Percent	71%, 19%, 11%
CMY	0.2863, 0.8078, 0.8900
CMYK	0.00, 0.73, 0.85, 0.29
HSL	8°, 73%, 41%
HSV	8°, 85%, 71%
XYZ	20.5999, 12.2255, 2.3761
YIQ	86.3730, 86.0090, 21.6650

Conversions

Conversions Part 2

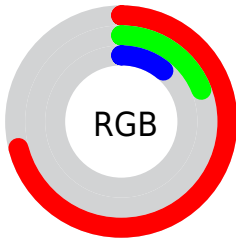
Format	Color
RYB	182, 52, 28
Decimal	11940124
CIELab	41.57, 52.18, 43.37
CIElCh	42, 67.855, 39.732
Yxy	12.2255, 0.5852, 0.3473
Android (android.graphics.Color)	4290130204 (0xFFB6311C)
YUV	86.3730, -28.7779, 83.8649
Hunter-Lab	34.9650, 43.9762, 20.4463

Details

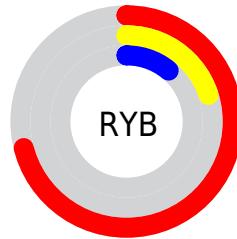
The Yxy color **12.2255, 0.5852, 0.3473** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **29.1328, 0.2178, 0.2927**, and the grayscale version is **9.4402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8211, 0.5236, 0.3559**, and **4.0649, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.0701, 0.6153, 0.3423**, and if you desaturate by 10%, it is **13.8938, 0.5456, 0.3499**.

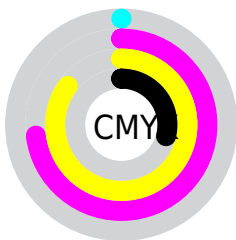
Distribution



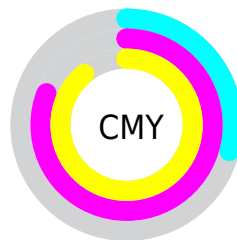
- Red (71%)
- Green (19%)
- Blue (11%)



- Red (71%)
- Yellow (20%)
- Blue (11%)



- Cyan (0%)
- Magenta (73%)
- Yellow (85%)
- Black (29%)





- Cyan (29%)
- Magenta (81%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2255, 0.5852, 0.3473 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 12.2255, 0.5852, 0.3473 by changing the saturation by 10% instead.


 12.2255, 0.5852,
0.3473


 12.2255, 0.5852,
0.3473


205.8925, 0.4261,
0.3539


 6.8974, 0.6279,
0.3346


 29.9051, 0.5236,
0.3566


 3.3980, 0.6872,
0.3128

 43.0255, 0.5013,
0.3577


 1.3429, 0.7391,
0.2609

 59.5121, 0.4830,
0.3578

 0.1741, 0.9014,
0.0986

 79.7494, 0.4677,
0.3573


 0.0000, 1.0000,
0.0000


 104.1216, 0.4548,
0.3566


 0.0000, 0.0000,
0.0000


 133.0133, 0.4438,


0.3558


 166.8088, 0.4344,
0.3548


 12.2255, 0.5852,
0.3473


 12.2255, 0.5852,
0.3473


 11.0701, 0.6153,
0.3423


 13.8938, 0.5456,
0.3499

 10.6304, 0.6277,
0.3398

 16.1241, 0.5021,
0.3500

 18.9620, 0.4598,
0.3482

 22.4478, 0.4216,
0.3452

 26.6182, 0.3888,
0.3416

■ 31.5073, 0.3613,
0.3378

■ 37.1468, 0.3386,
0.3341

■ 43.5666, 0.3201,
0.3305

■ 50.7949, 0.3049,
0.3273

Harmonies

Analogous

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



12.2255, 0.5259, 0.2704



12.2255, 0.5852, 0.3473



12.2255, 0.5438, 0.4361

Triad

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



12.2255, 0.5852, 0.3473



12.2255, 0.2084, 0.5334



12.2255, 0.1513, 0.1390

Complementary

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



12.2255, 0.5852, 0.3473



29.1328, 0.2178, 0.2927

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.



12.2255, 0.1082, 0.1534



12.2255, 0.5852, 0.3473



12.2255, 0.1286, 0.3470

Square

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



12.2255, 0.5852, 0.3473



12.2255, 0.3237, 0.6060



12.2255, 0.0996, 0.2128



12.2255, 0.2405, 0.1561

Rectangle

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



12.2255, 0.5852, 0.3473



12.2255, 0.4829, 0.5061



12.2255, 0.0996, 0.2128



12.2255, 0.1326, 0.1400

Sweetspot

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



12.2262, 0.5852, 0.3473



56.3276, 0.3634, 0.3381



13.3682, 0.3506, 0.1790



11.7303, 0.3726, 0.3394



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.2262, 0.5852, 0.3473



19.0781, 0.6295, 0.3383



24.8371, 0.4786, 0.4418



9.2041, 0.3284, 0.3322



7.5656, 0.6262, 0.3410



0.3304, 0.5872, 0.3719

Inverse Universe

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



29.1328, 0.2178, 0.2927



49.7279, 0.2124, 0.2846



10.0440, 0.1791, 0.1483



9.9966, 0.2985, 0.3258



19.5413, 0.2128, 0.2859



0.7470, 0.2161, 0.2981

Previews

White Background



This preview shows how the Yxy color 12.2255, 0.5852, 0.3473 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 12.2255, 0.5852, 0.3473 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 12.2255, 0.5852, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 12.2255, 0.5852, 0.3473.



This preview shows how white text looks on a background with the Yxy color 12.2255, 0.5852, 0.3473.

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

12.2255, 0.5852, 0.3473

Protanopia

12.3988, 0.4093, 0.4494

Deuteranopia

12.3807, 0.4662, 0.4618



Tritanopia

12.1915, 0.5620, 0.3288

Trichromacy



Original Color

12.2255, 0.5852, 0.3473

Protanomaly

11.2465, 0.4826, 0.4046

Deuteranomaly

11.5943, 0.5205, 0.4115

Tritanomaly

12.2191, 0.5711, 0.3363

Monochromacy



Original Color

12.2255, 0.5852, 0.3473

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.2117, 0.4215, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2255, 0.5852, 0.3473 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(182, 49, 28)` looks like.

```
.text, #text, p{  
    color:rgb(182, 49, 28)  
}
```

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(182, 49, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 49, 28) }
```

Border

The CSS property to change the border of an element to Yxy 12.2255, 0.5852, 0.3473 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(182, 49, 28) }
```

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

```
.border{ border-color:rgb(182, 49, 28) }
```

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

Here you see how a box with a 4 pixel rgb(182, 49, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 49, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 49, 28);  
box-shadow:4px 4px 4px 4px rgb(182, 49,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2255, 0.5852, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 49, 28) }
```

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

```
.background{ background-color: rgb(182, 49,  
28) }
```

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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