

Converting Colors

$Y_{xy}(12.2273, 0.6088, 0.3436)$

Have a look what the booklet for
Yxy(12.2273, 0.6088, 0.3436)
contains.

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Color

Yxy(12.1798, 0.6082, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	BC2710
RGB	188, 39, 16
RGB Percent	74%, 15%, 6%
CMY	0.2627, 0.8471, 0.9369
CMYK	0.00, 0.79, 0.91, 0.26
HSL	8°, 84%, 40%
HSV	8°, 91%, 74%
XYZ	21.5592, 12.1798, 1.7086
YIQ	80.9290, 96.1870, 24.4350

Conversions

Conversions Part 2

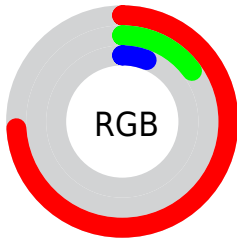
Format	Color
RYB	188, 43, 16
Decimal	12330768
CIELab	41.50, 57.08, 49.07
CIELCh	42, 75.274, 40.681
Yxy	12.1798, 0.6082, 0.3436
Android (android.graphics.Color)	4290520848 (0xFFBC2710)
YUV	80.9290, -32.0100, 93.9013
Hunter-Lab	34.8996, 49.1943, 21.5270

Details

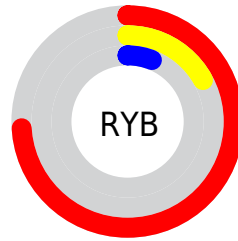
The Yxy color **12.1798, 0.6082, 0.3436** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **30.6871, 0.2153, 0.2902**, and the grayscale version is **8.2662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8010, 0.5445, 0.3571**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.3891, 0.6283, 0.3393**, and if you desaturate by 10%, it is **13.5731, 0.5747, 0.3479**.

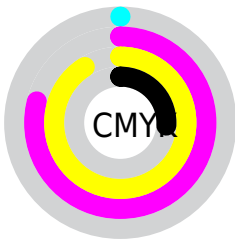
Distribution



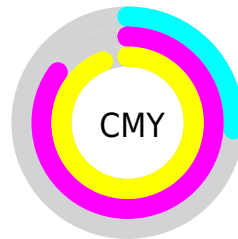
- Red (74%)
- Green (15%)
- Blue (6%)



- Red (74%)
- Yellow (17%)
- Blue (6%)



- Cyan (0%)
- Magenta (79%)
- Yellow (91%)
- Black (26%)





- Cyan (26%)
- Magenta (85%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1798, 0.6082, 0.3436 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 12.1798, 0.6082, 0.3436 by changing the saturation by 10% instead.


 12.1798, 0.6082,
0.3436


 12.1798, 0.6082,
0.3436


 205.5920, 0.4389,
0.3568

 6.8663, 0.6536,
0.3288


 29.8222, 0.5446,
0.3569


 3.3786, 0.7019,
0.2981

 42.9197, 0.5209,
0.3590


 1.3324, 0.7556,
0.2444

 59.3808, 0.5011,
0.3598

 0.1661, 0.9142,
0.0858

 79.5897, 0.4845,
0.3598

 0.0000, 1.0000,
0.0000


 103.9309, 0.4705,
0.3593


 0.0000, 0.0000,
0.0000


 132.7888, 0.4584,


0.3586

 166.5477, 0.4480,
0.3577


 12.1798, 0.6082,
0.3436


 12.1798, 0.6082,
0.3436

 11.3891, 0.6283,
0.3393

 13.5731, 0.5747,
0.3479

 15.5374, 0.5332,
0.3497

 18.1271, 0.4894,
0.3492

 21.3896, 0.4479,
0.3470

 25.3678, 0.4111,
0.3438

■ 30.1008, 0.3798,
0.3402

■ 35.6251, 0.3538,
0.3365

■ 41.9745, 0.3324,
0.3328

■ 49.1812, 0.3150,
0.3295

Harmonies

Analogous

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



12.1798, 0.5517, 0.2651



12.1798, 0.6082, 0.3436



12.1798, 0.5581, 0.4406

Triad

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



12.1798, 0.6082, 0.3436



12.1798, 0.1915, 0.5549



12.1798, 0.1415, 0.1263

Complementary

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



12.1798, 0.6082, 0.3436



30.6871, 0.2153, 0.2902

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.



12.1798, 0.0961, 0.1389



12.1798, 0.6082, 0.3436



12.1798, 0.1115, 0.3396

Square

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



12.1798, 0.6082, 0.3436



12.1798, 0.3116, 0.6355



12.1798, 0.0855, 0.1972



12.1798, 0.2370, 0.1450

Rectangle

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



12.1798, 0.6082, 0.3436



12.1798, 0.4846, 0.5154



12.1798, 0.0855, 0.1972



12.1798, 0.1218, 0.1268

Sweetspot

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



12.1806, 0.6082, 0.3436



58.3771, 0.3688, 0.3387



13.8903, 0.3494, 0.1734



11.8487, 0.3782, 0.3400



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.



12.1806, 0.6082, 0.3436



20.4432, 0.6301, 0.3379



24.6743, 0.4941, 0.4385



9.7359, 0.3285, 0.3321



7.8180, 0.6268, 0.3405



0.3736, 0.5905, 0.3693

Inverse Universe

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



30.6871, 0.2153, 0.2902



53.7580, 0.2126, 0.2855



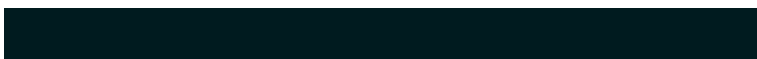
9.7756, 0.1736, 0.1379



10.5868, 0.2985, 0.3259



20.3730, 0.2130, 0.2868



0.8590, 0.2161, 0.2979

Previews

White Background



This preview shows how the Yxy color 12.1798, 0.6082, 0.3436 looks on a white background.

Color Contrast Check

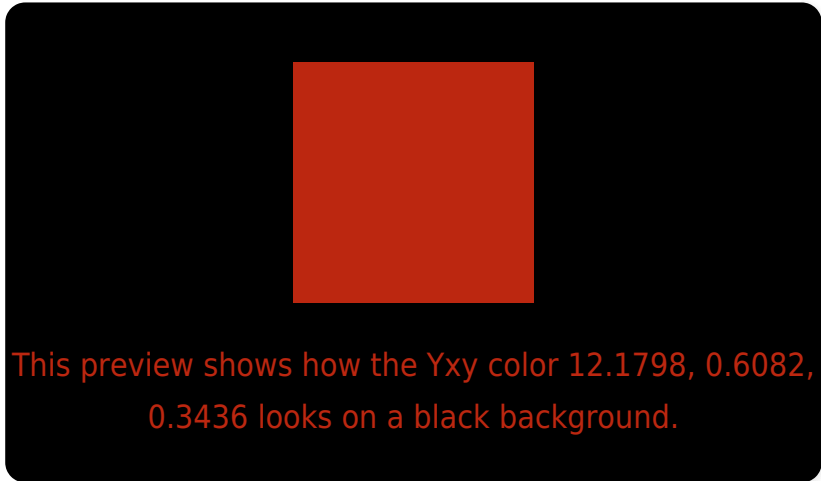
Large Text (above 18pt) WCAG AA ✓ Pass

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

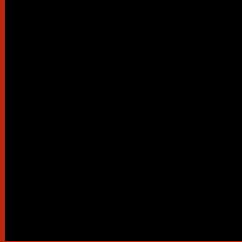
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1798, 0.6082, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 12.1798, 0.6082, 0.3436.



This preview shows how white text looks on a background with the Yxy color 12.1798, 0.6082, 0.3436.

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

12.1798, 0.6082, 0.3436

Protanopia

12.3969, 0.4218, 0.4647

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.1481, 0.5901, 0.3298

Trichromacy



Original Color

12.1798, 0.6082, 0.3436

Protanomaly

10.8669, 0.5057, 0.4078

Deuteranomaly

11.2066, 0.5351, 0.4081

Tritanomaly

12.1663, 0.5983, 0.3362

Monochromacy



Original Color

12.1798, 0.6082, 0.3436

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.1849, 0.4436, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1798, 0.6082, 0.3436 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(188, 39, 16)` looks like.

```
.text, #text, p{  
  color:rgb(188, 39, 16)  
}
```

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(188, 39, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 39, 16) }
```

Border

The CSS property to change the border of an element to Yxy 12.1798, 0.6082, 0.3436 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(188, 39, 16) }
```

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

```
.border{ border-color:rgb(188, 39, 16) }
```

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

Here you see how a box with a 4 pixel rgb(188, 39, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 39, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 39, 16);  
box-shadow:4px 4px 4px 4px rgb(188, 39,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1798, 0.6082, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 39, 16) }
```

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

```
.background{ background-color: rgb(188, 39,  
16) }
```

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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