

Converting Colors

$Y_{xy}(12.8011, 0.5887, 0.3439)$

Have a look what the booklet for
Yxy(12.8011, 0.5887, 0.3439)
contains.

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Color

Yxy(12.8131, 0.5897, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	BC2F1D
RGB	188, 47, 29
RGB Percent	74%, 18%, 11%
CMY	0.2627, 0.8157, 0.8862
CMYK	0.00, 0.75, 0.85, 0.26
HSL	7°, 73%, 43%
HSV	7°, 85%, 74%
XYZ	21.9776, 12.8131, 2.4784
YIQ	87.1070, 89.8140, 24.2940

Conversions

Conversions Part 2

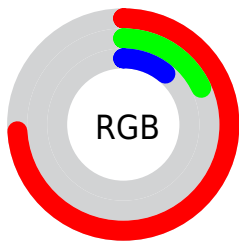
Format	Color
R_{YB}	188, 49, 29
Decimal	12332829
CIE Lab	42.48, 54.82, 44.15
CIE LCh	42, 70.387, 38.845
Yxy	12.8131, 0.5897, 0.3438
Android (android.graphics.Color)	4290522909 (0xFFBC2F1D)
YUV	87.1070, -28.6468, 88.4832
Hunter-Lab	35.7954, 46.9530, 20.9517

Details

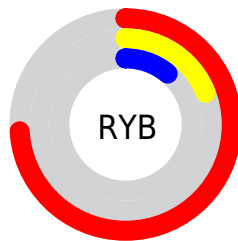
The Yxy color **12.8131, 0.5897, 0.3438** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **32.6453, 0.2194, 0.2989**, and the grayscale version is **9.6050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1179, 0.5278, 0.3540**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.6594, 0.6191, 0.3394**, and if you desaturate by 10%, it is **14.5342, 0.5498, 0.3462**.

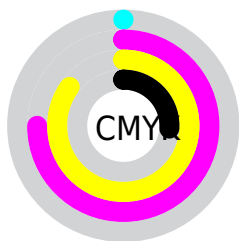
Distribution



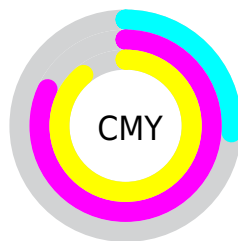
- Red (74%)
- Green (18%)
- Blue (11%)



- Red (74%)
- Yellow (19%)
- Blue (11%)



- Cyan (0%)
- Magenta (75%)
- Yellow (85%)
- Black (26%)





- Cyan (26%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8131, 0.5897, 0.3438 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 12.8131, 0.5897, 0.3438 by changing the saturation by 10% instead.


 12.8131, 0.5897,
0.3438

 12.8131, 0.5897,
0.3438


209.7164, 0.4293,
0.3529


 7.3000, 0.6319,
0.3305


 30.9676, 0.5281,
0.3540


 3.6504, 0.6912,
0.3088

 44.3778, 0.5056,
0.3555


 1.4800, 0.7421,
0.2579

 61.1891, 0.4870,
0.3559

 0.2746, 0.8707,
0.1293

 81.7859, 0.4715,
0.3557


 0.0000, 1.0000,
0.0000


 106.5526, 0.4585,
0.3552


 0.0000, 0.0000,
0.0000


 135.8737, 0.4473,


0.3545

 170.1335, 0.4376,
0.3538

 12.8131, 0.5897,
0.3438


 12.8131, 0.5897,
0.3438


 11.6594, 0.6191,
0.3394


 14.5342, 0.5498,
0.3462

 11.2378, 0.6308,
0.3374

 16.8813, 0.5056,
0.3464

 19.9082, 0.4623,
0.3450

 23.6621, 0.4232,
0.3426

 28.1862, 0.3897,
0.3395

■ 33.5201, 0.3617,
0.3363

■ 39.7008, 0.3388,
0.3332

■ 46.7630, 0.3201,
0.3303

■ 54.7394, 0.3048,
0.3276

Harmonies

Analogous

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



12.8131, 0.5266, 0.2668



12.8131, 0.5897, 0.3438



12.8131, 0.5490, 0.4330

Triad

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



12.8131, 0.5897, 0.3438



12.8131, 0.2089, 0.5434



12.8131, 0.1471, 0.1364

Complementary

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



12.8131, 0.5897, 0.3438



32.6453, 0.2194, 0.2989

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.



12.8131, 0.1048, 0.1517



12.8131, 0.5897, 0.3438



12.8131, 0.1271, 0.3522

Square

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



12.8131, 0.5897, 0.3438



12.8131, 0.3259, 0.6109



12.8131, 0.0971, 0.2131



12.8131, 0.2356, 0.1527

Rectangle

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



12.8131, 0.5897, 0.3438



12.8131, 0.4876, 0.5045



12.8131, 0.0971, 0.2131



12.8131, 0.1286, 0.1377

Sweetspot

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



12.8139, 0.5897, 0.3438



59.8754, 0.3639, 0.3366



14.5534, 0.3426, 0.1741



12.1181, 0.3732, 0.3377



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.



12.8139, 0.5897, 0.3438



20.1929, 0.6324, 0.3361



25.2977, 0.4859, 0.4356



9.7056, 0.3286, 0.3317



7.7083, 0.6294, 0.3384



0.3603, 0.5970, 0.3642

Inverse Universe

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



32.6453, 0.2194, 0.2989



56.2569, 0.2145, 0.2923



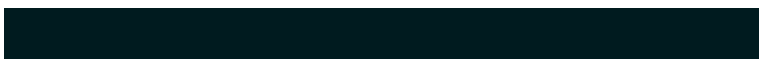
11.6529, 0.1814, 0.1570



10.6201, 0.2985, 0.3263



21.2895, 0.2148, 0.2934



0.8870, 0.2174, 0.3027

Previews

White Background



This preview shows how the Yxy color 12.8131, 0.5897, 0.3438 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 12.8131, 0.5897, 0.3438 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 12.8131, 0.5897, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 12.8131, 0.5897, 0.3438.



This preview shows how white text looks on a background with the Yxy color 12.8131, 0.5897, 0.3438.

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

12.8131, 0.5897, 0.3438

Protanopia

12.9925, 0.4095, 0.4471

Deuteranopia

12.9681, 0.4673, 0.4620



Tritanopia

12.7654, 0.5712, 0.3289

Trichromacy



Original Color

12.8131, 0.5897, 0.3438

Protanomaly

11.6002, 0.4858, 0.3995

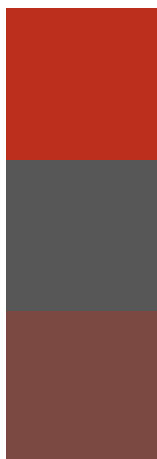
Deuteranomaly

11.9645, 0.5257, 0.4089

Tritanomaly

12.7986, 0.5783, 0.3349

Monochromacy



Original Color

12.8131, 0.5897, 0.3438

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.3132, 0.4259, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8131, 0.5897, 0.3438 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, 47, 29)` looks like.

```
.text, #text, p{  
    color:rgb(188, 47, 29)  
}
```

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, 47, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 47, 29) }
```

Border

The CSS property to change the border of an element to Yxy 12.8131, 0.5897, 0.3438 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, 47, 29) }
```

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

```
.border{ border-color:rgb(188, 47, 29) }
```

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

Here you see how a box with a 4 pixel rgb(188, 47, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 47, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 47, 29);  
box-shadow:4px 4px 4px 4px rgb(188, 47,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8131, 0.5897, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 47, 29) }
```

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

```
.background{ background-color: rgb(188, 47,  
29) }
```

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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