

Converting Colors

$Y_{xy}(12.3690, 0.5824, 0.3290)$

Have a look what the booklet for
Yxy(12.3690, 0.5824, 0.3290)
contains.

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Color

Yxy(12.3690, 0.5824, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	BC2829
RGB	188, 40, 41
RGB Percent	74%, 16%, 16%
CMY	0.2628, 0.8430, 0.8392
CMYK	0.00, 0.79, 0.78, 0.26
HSL	360°, 65%, 45%
HSV	360°, 79%, 74%
XYZ	21.8958, 12.3690, 3.3310
YIQ	84.3660, 87.8870, 31.6870

Conversions

Conversions Part 2

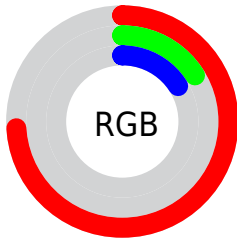
Format	Color
R _Y B	188, 40, 41
Decimal	12331049
CIE Lab	41.80, 57.39, 37.10
CIE LCh	42, 68.333, 32.882
Yxy	12.3690, 0.5824, 0.3290
Android (android.graphics.Color)	4290521129 (0xFFBC2829)
YUV	84.3660, -21.3794, 90.8870
Hunter-Lab	35.1696, 49.5831, 19.0032

Details

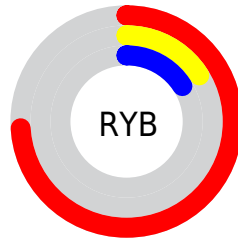
The Yxy color **12.3690, 0.5824, 0.3290** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **40.0017, 0.2298, 0.3303**, and the grayscale version is **8.9803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1210, 0.5194, 0.3404**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2940, 0.6170, 0.3294**, and if you desaturate by 10%, it is **14.1234, 0.5377, 0.3288**.

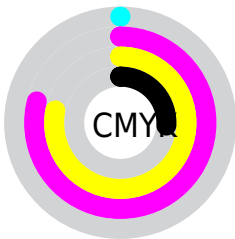
Distribution



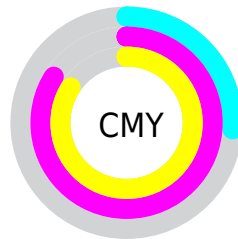
- Red (74%)
- Green (16%)
- Blue (16%)



- Red (74%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (79%)
- Yellow (78%)
- Black (26%)




- Cyan (26%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3690, 0.5824, 0.3290 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 12.3690, 0.5824, 0.3290 by changing the saturation by 10% instead.


 12.3690, 0.5824,
0.3290


 12.3690, 0.5824,
0.3290


206.8331, 0.4230,
0.3436


 6.9955, 0.6272,
0.3157


 30.1654, 0.5195,
0.3403


 3.4593, 0.6995,
0.2976

 43.3571, 0.4971,
0.3424


 1.3760, 0.7546,
0.2454

 59.9237, 0.4789,
0.3436


 0.1989, 0.9021,
0.0979

 80.2495, 0.4638,
0.3441

 0.0000, 1.0000,
0.0000

 104.7189, 0.4511,
0.3442

 0.0000, 0.0000,
0.0000

 133.7164, 0.4403,

0.3441

167.6263, 0.4311,
0.3439

12.3690, 0.5824,
0.3290

12.3690, 0.5824,
0.3290

11.2940, 0.6170,
0.3294

14.1234, 0.5377,
0.3288

10.7506, 0.6372,
0.3296

16.6415, 0.4902,
0.3286

10.6924, 0.6394,
0.3296

19.9979, 0.4456,
0.3286

24.2577, 0.4068,
0.3286

29.4797, 0.3746,
0.3287

■ 35.7175, 0.3485,
0.3288

■ 43.0209, 0.3275,
0.3289

■ 51.4365, 0.3107,
0.3290

■ 61.0080, 0.2973,
0.3291

Harmonies

Analogous

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



12.3690, 0.4981, 0.2535



12.3690, 0.5824, 0.3290



12.3690, 0.5600, 0.4137

Triad

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



12.3690, 0.5824, 0.3290



12.3690, 0.2327, 0.5668



12.3690, 0.1376, 0.1389

Complementary

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



12.3690, 0.5824, 0.3290



40.0017, 0.2298, 0.3303

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.



12.3690, 0.1030, 0.1617



12.3690, 0.5824, 0.3290



12.3690, 0.1416, 0.3892

Square

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



12.3690, 0.5824, 0.3290



12.3690, 0.3511, 0.5992



12.3690, 0.1020, 0.2355



12.3690, 0.2151, 0.1492

Rectangle

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



12.3690, 0.5824, 0.3290



12.3690, 0.5064, 0.4820



12.3690, 0.1020, 0.2355



12.3690, 0.1220, 0.1424

Sweetspot

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



12.3698, 0.5824, 0.3290



58.0781, 0.3626, 0.3287



15.5295, 0.3172, 0.1644



11.6580, 0.3724, 0.3287



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.



12.3698, 0.5824, 0.3290



19.7474, 0.6317, 0.3296



22.3314, 0.4966, 0.4128



9.5374, 0.3287, 0.3289



7.2815, 0.6392, 0.3295



0.2856, 0.6360, 0.3277

Inverse Universe

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



12.3698, 0.5824, 0.3290



19.7474, 0.6317, 0.3296



16.6831, 0.1961, 0.2013



9.5374, 0.3287, 0.3289



7.2815, 0.6392, 0.3295



0.2856, 0.6360, 0.3277

Previews

White Background



This preview shows how the Yxy color 12.3690, 0.5824, 0.3290 looks on a white background.

Color Contrast Check

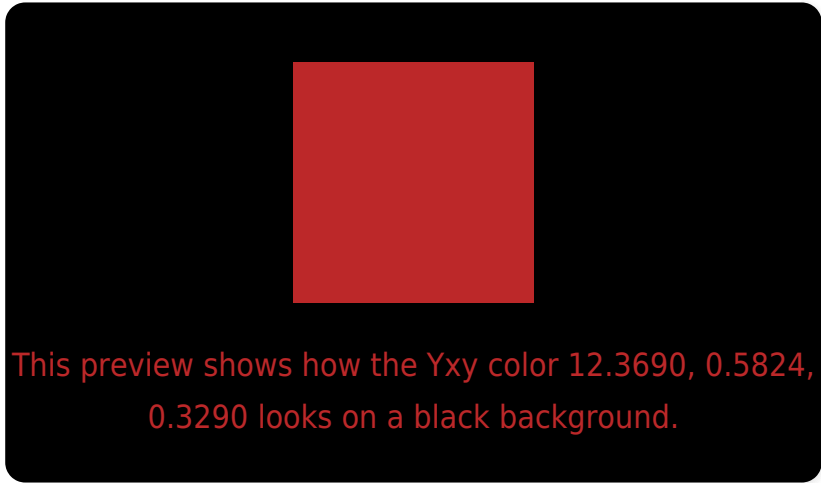
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3690, 0.5824, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 12.3690, 0.5824, 0.3290.



This preview shows how white text looks on a background with the Yxy color 12.3690, 0.5824, 0.3290.

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

12.3690, 0.5824, 0.3290

Protanopia

12.6710, 0.3859, 0.4205

Deuteranopia

12.6381, 0.4499, 0.4448



Tritanopia

12.3622, 0.5837, 0.3298

Trichromacy



Original Color

12.3690, 0.5824, 0.3290

Protanomaly

11.1000, 0.4673, 0.3752

Deuteranomaly

11.4435, 0.5109, 0.3893

Tritanomaly

12.3622, 0.5837, 0.3298

Monochromacy



Original Color

12.3690, 0.5824, 0.3290

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.6892, 0.4221, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3690, 0.5824, 0.3290 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, 40, 41)` looks like.

```
.text, #text, p{  
    color:rgb(188, 40, 41)  
}
```

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, 40, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 40, 41) }
```

Border

The CSS property to change the border of an element to Yxy 12.3690, 0.5824, 0.3290 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, 40, 41) }
```

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

```
.border{ border-color:rgb(188, 40, 41) }
```

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

Here you see how a box with a 4 pixel rgb(188, 40, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 40, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 40, 41);  
box-shadow:4px 4px 4px 4px rgb(188, 40,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3690, 0.5824, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 40, 41) }
```

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

```
.background{ background-color: rgb(188, 40,  
41) }
```

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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