

Converting Colors

$Y_{xy}(12.2292, 0.5726, 0.3219)$

Have a look what the booklet for
Yxy(12.2292, 0.5726, 0.3219)
contains.

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Color

Yxy(12.2292, 0.5726, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	BB2730
RGB	187, 39, 48
RGB Percent	73%, 15%, 19%
CMY	0.2666, 0.8471, 0.8118
CMYK	0.00, 0.79, 0.74, 0.27
HSL	356°, 65%, 44%
HSV	356°, 79%, 73%
XYZ	21.7535, 12.2292, 4.0080
YIQ	84.2780, 85.3190, 34.1750

Conversions

Conversions Part 2

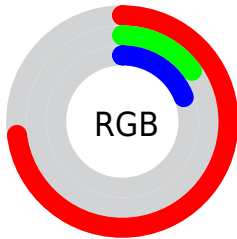
Format	Color
RYB	187, 39, 48
Decimal	12265264
CIELab	41.58, 57.66, 32.74
CIELCh	42, 66.310, 29.589
Yxy	12.2292, 0.5726, 0.3219
Android (android.graphics.Color)	4290455344 (0xFFBB2730)
YUV	84.2780, -17.8851, 90.0872
Hunter-Lab	34.9703, 49.8390, 17.6838

Details

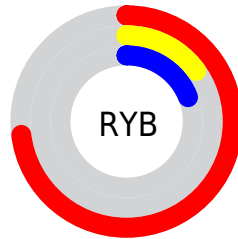
The Yxy color **12.2292, 0.5726, 0.3219** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **39.1902, 0.2335, 0.3434**, and the grayscale version is **8.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8675, 0.5112, 0.3333**, and **4.4422, 0.6361, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **11.1725, 0.6090, 0.3241**, and if you desaturate by 10%, it is **13.9497, 0.5281, 0.3208**.

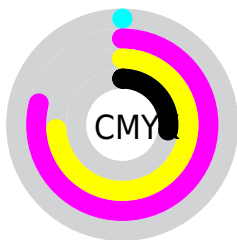
Distribution



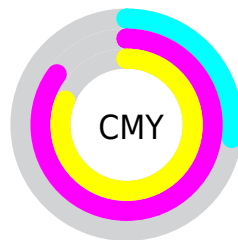
- Red (73%)
- Green (15%)
- Blue (19%)



- Red (73%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (79%)
- Yellow (74%)
- Black (27%)



- Cyan (27%)
- Magenta (85%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2292, 0.5726, 0.3219 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 12.2292, 0.5726, 0.3219 by changing the saturation by 10% instead.


 12.2292, 0.5726,
0.3219


 12.2292, 0.5726,
0.3219


205.9168, 0.4175,
0.3386

 6.9000, 0.6179,
0.3091


 29.9119, 0.5105,
0.3332


 3.3996, 0.6846,
0.2889

 43.0341, 0.4887,
0.3357


 1.3438, 0.7569,
0.2431

 59.5228, 0.4711,
0.3371

 0.1747, 0.9118,
0.0882

 79.7623, 0.4566,
0.3380

 0.0000, 1.0000,
0.0000

 104.1371, 0.4444,
0.3384

 0.0000, 0.0000,
0.0000

 133.0315, 0.4341,

0.3386

166.8299, 0.4252,
0.3387

■ 12.2292, 0.5726,
0.3219

■ 12.2292, 0.5726,
0.3219

■ 11.1725, 0.6090,
0.3241

■ 13.9497, 0.5281,
0.3208

■ 10.6290, 0.6323,
0.3265

■ 16.4164, 0.4822,
0.3209

■ 10.5906, 0.6338,
0.3265

■ 19.7019, 0.4397,
0.3217

■ 23.8698, 0.4029,
0.3230

■ 28.9774, 0.3723,
0.3245

■ 35.0772, 0.3475,
0.3261

■ 42.2177, 0.3275,
0.3277

■ 50.4444, 0.3115,
0.3291

■ 59.7999, 0.2986,
0.3304

Harmonies

Analogous

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



12.2292, 0.4789, 0.2476



12.2292, 0.5726, 0.3219



12.2292, 0.5622, 0.4043

Triad

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



12.2292, 0.5726, 0.3219



12.2292, 0.2477, 0.5718



12.2292, 0.1351, 0.1429

Complementary

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



12.2292, 0.5726, 0.3219



39.1902, 0.2335, 0.3434

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.



12.2292, 0.1046, 0.1701



12.2292, 0.5726, 0.3219



12.2292, 0.1528, 0.4086

Square

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



12.2292, 0.5726, 0.3219



12.2292, 0.3653, 0.5876



12.2292, 0.1077, 0.2506



12.2292, 0.2064, 0.1497

Rectangle

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



12.2292, 0.5726, 0.3219



12.2292, 0.5136, 0.4691



12.2292, 0.1077, 0.2506



12.2292, 0.1210, 0.1477

Sweetspot

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



12.2299, 0.5726, 0.3219



56.8634, 0.3599, 0.3253



14.4027, 0.3075, 0.1590



11.6899, 0.3691, 0.3247



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.



12.2299, 0.5726, 0.3219



19.2621, 0.6272, 0.3263



20.4398, 0.5077, 0.4034



9.5455, 0.3279, 0.3276



7.3003, 0.6324, 0.3258



0.2892, 0.6044, 0.3103

Inverse Universe

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



12.2299, 0.5726, 0.3219



19.2621, 0.6272, 0.3263



18.1533, 0.1993, 0.2144



9.5455, 0.3279, 0.3276



7.3003, 0.6324, 0.3258



0.2892, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 12.2292, 0.5726, 0.3219 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 12.2292, 0.5726, 0.3219 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 12.2292, 0.5726, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 12.2292, 0.5726, 0.3219.

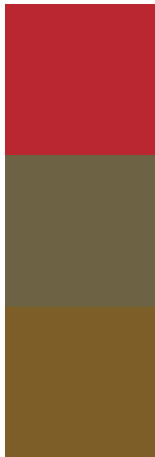


This preview shows how white text looks on a background with the Yxy color 12.2292, 0.5726, 0.3219.

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

12.2292, 0.5726, 0.3219

Protanopia

12.4547, 0.3710, 0.4005

Deuteranopia

12.4304, 0.4419, 0.4337



Tritanopia

12.2425, 0.5818, 0.3290

Trichromacy



Original Color

12.2292, 0.5726, 0.3219

Protanomaly

10.8682, 0.4519, 0.3605

Deuteranomaly

11.2678, 0.5009, 0.3788

Tritanomaly

12.2642, 0.5777, 0.3264

Monochromacy



Original Color

12.2292, 0.5726, 0.3219

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.6541, 0.4139, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2292, 0.5726, 0.3219 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(187, 39, 48)` looks like.

```
.text, #text, p{  
    color:rgb(187, 39, 48)  
}
```

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(187, 39, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 39, 48) }
```

Border

The CSS property to change the border of an element to Yxy 12.2292, 0.5726, 0.3219 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(187, 39, 48) }
```

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

```
.border{ border-color:rgb(187, 39, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 39, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 39, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 39, 48);  
box-shadow:4px 4px 4px 4px rgb(187, 39,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2292, 0.5726, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 39, 48) }
```

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

```
.background{ background-color: rgb(187, 39,  
48) }
```

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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