

Converting Colors

$Y_{xy}(12.9910, 0.5854, 0.3218)$

Have a look what the booklet for
Yxy(12.9910, 0.5854, 0.3218)
contains.

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Color

Yxy(12.9356, 0.5855, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	C3222D
RGB	195, 34, 45
RGB Percent	76%, 13%, 18%
CMY	0.2353, 0.8666, 0.8236
CMYK	0.00, 0.83, 0.77, 0.24
HSL	356°, 70%, 45%
HSV	356°, 83%, 76%
XYZ	23.5504, 12.9356, 3.7367
YIQ	83.3930, 92.4250, 37.5530

Conversions

Conversions Part 2

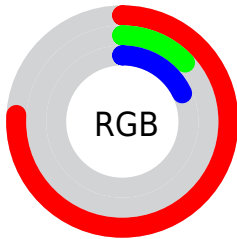
Format	Color
R _Y B	195, 34, 45
Decimal	12788269
CIE Lab	42.67, 61.17, 36.15
CIE LCh	43, 71.058, 30.584
Yxy	12.9356, 0.5855, 0.3216
Android (android.graphics.Color)	4290978349 (0xFFC3222D)
YUV	83.3930, -18.9277, 97.8793
Hunter-Lab	35.9661, 53.9399, 19.0164

Details

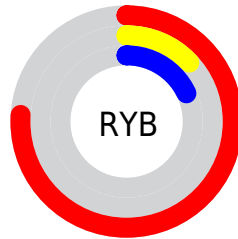
The Yxy color **12.9356, 0.5855, 0.3216** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.8309, 0.2329, 0.3460**, and the grayscale version is **8.7623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3811, 0.5201, 0.3340**, and **4.9865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0082, 0.6178, 0.3244**, and if you desaturate by 10%, it is **14.5565, 0.5430, 0.3200**.

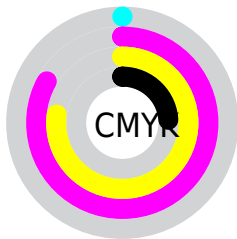
Distribution



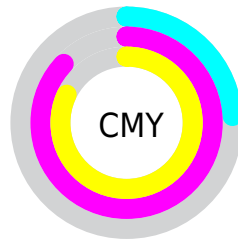
- Red (76%)
- Green (13%)
- Blue (18%)



- Red (76%)
- Yellow (13%)
- Blue (18%)



- Cyan (0%)
- Magenta (83%)
- Yellow (77%)
- Black (24%)




- Cyan (24%)
- Magenta (87%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9356, 0.5855, 0.3216 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 12.9356, 0.5855, 0.3216 by changing the saturation by 10% instead.


 12.9356, 0.5855,
0.3216


 12.9356, 0.5855,
0.3216


210.5045, 0.4251,
0.3402


 7.3842, 0.6304,
0.3078


 31.1880, 0.5223,
0.3341


 3.7035, 0.6971,
0.2871

 44.6579, 0.4999,
0.3369

 1.5091, 0.7606,
0.2394

 61.5360, 0.4815,
0.3385

 0.2951, 0.8798,
0.1202

 82.2068, 0.4663,
0.3395

 0.0000, 1.0000,
0.0000

 107.0546, 0.4535,
0.3400

 0.0000, 0.0000,
0.0000

 136.4640, 0.4426,

0.3402

170.8191, 0.4332,
0.3403

■ 12.9356, 0.5855,
0.3216

■ 12.9356, 0.5855,
0.3216

■ 12.0082, 0.6178,
0.3244

■ 14.5565, 0.5430,
0.3200

■ 11.6313, 0.6333,
0.3262

■ 16.9689, 0.4970,
0.3196

■ 20.2575, 0.4531,
0.3203

■ 24.4955, 0.4143,
0.3217

■ 29.7484, 0.3818,
0.3234

■ 36.0760, 0.3552,
0.3252

■ 43.5333, 0.3337,
0.3269

■ 52.1717, 0.3165,
0.3286

■ 62.0394, 0.3027,
0.3301

Harmonies

Analogous

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



12.9356, 0.4917, 0.2461



12.9356, 0.5855, 0.3216



12.9356, 0.5685, 0.4059

Triad

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



12.9356, 0.5855, 0.3216



12.9356, 0.2387, 0.5830



12.9356, 0.1308, 0.1364

Complementary

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



12.9356, 0.5855, 0.3216



42.8309, 0.2329, 0.3460

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.



12.9356, 0.0987, 0.1621



12.9356, 0.5855, 0.3216



12.9356, 0.1433, 0.4056

Square

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



12.9356, 0.5855, 0.3216



12.9356, 0.3593, 0.6005



12.9356, 0.1001, 0.2417



12.9356, 0.2051, 0.1445

Rectangle

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



12.9356, 0.5855, 0.3216



12.9356, 0.5164, 0.4747



12.9356, 0.1001, 0.2417



12.9356, 0.1161, 0.1407

Sweetspot

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



12.9364, 0.5855, 0.3216



61.1988, 0.3622, 0.3246



14.9797, 0.3036, 0.1536



12.5071, 0.3716, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.9364, 0.5855, 0.3216



20.8833, 0.6333, 0.3269



21.0433, 0.5217, 0.3998



10.0888, 0.3278, 0.3275



7.5648, 0.6316, 0.3253



0.3308, 0.6023, 0.3092

Inverse Universe

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



12.9364, 0.5855, 0.3216



20.8833, 0.6333, 0.3269



19.6992, 0.1972, 0.2132



10.0888, 0.3278, 0.3275



7.5648, 0.6316, 0.3253



0.3308, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 12.9356, 0.5855, 0.3216 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 12.9356, 0.5855, 0.3216 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 12.9356, 0.5855, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 12.9356, 0.5855, 0.3216.



This preview shows how white text looks on a background with the Yxy color 12.9356, 0.5855, 0.3216.

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

12.9356, 0.5855, 0.3216

Protanopia

13.2639, 0.3780, 0.4089

Deuteranopia

13.2541, 0.4476, 0.4406



Tritanopia

12.9852, 0.5966, 0.3305

Trichromacy



Original Color

12.9356, 0.5855, 0.3216

Protanomaly

11.3640, 0.4646, 0.3623

Deuteranomaly

11.7129, 0.5125, 0.3812

Tritanomaly

12.9506, 0.5927, 0.3270

Monochromacy



Original Color

12.9356, 0.5855, 0.3216

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.4954, 0.4264, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9356, 0.5855, 0.3216 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(195, 34, 45)` looks like.

```
.text, #text, p{  
    color:rgb(195, 34, 45)  
}
```

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(195, 34, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 34, 45) }
```

Border

The CSS property to change the border of an element to Yxy 12.9356, 0.5855, 0.3216 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(195, 34, 45) }
```

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

```
.border{ border-color:rgb(195, 34, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 34, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 34, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 34, 45);  
box-shadow:4px 4px 4px 4px rgb(195, 34,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9356, 0.5855, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 34, 45) }
```

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

```
.background{ background-color: rgb(195, 34,  
45) }
```

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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