

Converting Colors

$Y_{xy}(15.8796, 0.5183, 0.3283)$

Have a look what the booklet for
Yxy(15.8796, 0.5183, 0.3283)
contains.

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Color

Yxy(15.9014, 0.5192, 0.3285)

Conversions

Conversions Part 1

Format	Color
Hex	C14445
RGB	193, 68, 69
RGB Percent	76%, 27%, 27%
CMY	0.2432, 0.7333, 0.7295
CMYK	0.00, 0.65, 0.64, 0.24
HSL	360°, 50%, 51%
HSV	360°, 65%, 76%
XYZ	25.1324, 15.9014, 7.3722
YIQ	105.4890, 74.1790, 26.8110

Conversions

Conversions Part 2

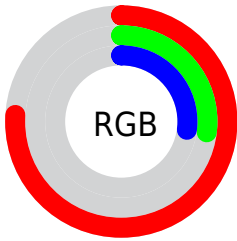
Format	Color
RYB	193, 68, 69
Decimal	12665925
CIELab	46.84, 50.04, 26.84
CIElCh	47, 56.783, 28.205
Yxy	15.9014, 0.5192, 0.3285
Android (android.graphics.Color)	4290856005 (0xFFC14445)
YUV	105.4890, -17.9891, 76.7471
Hunter-Lab	39.8766, 42.7167, 16.9523

Details

The Yxy color **15.9014, 0.5192, 0.3285** is a dark color, and the websafe version is hex **993333**. The color can be described as dark muted red. A complement of this color would be **43.1742, 0.2369, 0.3303**, and the grayscale version is **14.3022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4634, 0.4715, 0.3344**, and **5.0611, 0.6028, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **13.7386, 0.5659, 0.3287**, and if you desaturate by 10%, it is **18.9110, 0.4722, 0.3284**.

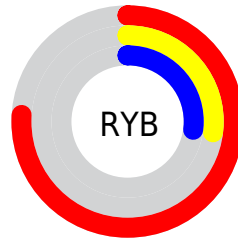
Distribution



Red (76%)

Green (27%)

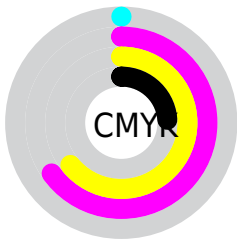
Blue (27%)



Red (76%)

Yellow (27%)

Blue (27%)

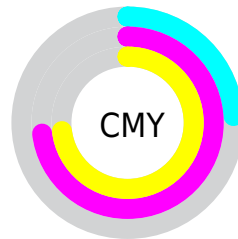


Cyan (0%)

Magenta (65%)

Yellow (64%)

Black (24%)



Cyan (24%)


Magenta (73%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9014, 0.5192, 0.3285 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 15.9014, 0.5192, 0.3285 by changing the saturation by 10% instead.


 15.9014, 0.5192,
0.3285


 15.9014, 0.5192,
0.3285


228.7592, 0.3982,
0.3364


 9.4544, 0.5551,
0.3219


 36.4269, 0.4708,
0.3342


 5.0387, 0.6037,
0.3094

 51.2743, 0.4540,
0.3354

 2.2700, 0.6881,
0.2920

 69.6905, 0.4403,
0.3361

 0.7578, 0.7667,
0.2333

 92.0601, 0.4289,
0.3364

 0.0000, 1.0000,
0.0000

 118.7673, 0.4194,
0.3365

 0.0000, 0.0000,
0.0000

150.1967, 0.4113,

0.3366

186.7325, 0.4043,
0.3365

■ 15.9014, 0.5192,
0.3285

■ 15.9014, 0.5192,
0.3285

■ 13.7386, 0.5659,
0.3287

■ 18.9110, 0.4722,
0.3284

■ 12.3333, 0.6053,
0.3291

■ 22.8393, 0.4297,
0.3284

■ 11.5819, 0.6306,
0.3295

■ 27.7539, 0.3934,
0.3285

■ 11.3401, 0.6393,
0.3295

■ 33.7150, 0.3636,
0.3287

■ 40.7783, 0.3397,
0.3288

■ 48.9954, 0.3205,
0.3289

■ 58.4146, 0.3051,
0.3291

■ 69.0815, 0.2927,
0.3292

■ 81.0394, 0.2828,
0.3293

Harmonies

Analogous

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



15.9014, 0.4397, 0.2614



15.9014, 0.5192, 0.3285



15.9014, 0.5233, 0.4021

Triad

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



15.9014, 0.5192, 0.3285



15.9014, 0.2719, 0.5153



15.9014, 0.1611, 0.1729

Complementary

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



15.9014, 0.5192, 0.3285



43.1742, 0.2369, 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.



15.9014, 0.1350, 0.2017



15.9014, 0.5192, 0.3285



15.9014, 0.1874, 0.3991

Square

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



15.9014, 0.5192, 0.3285



15.9014, 0.3727, 0.5363



15.9014, 0.1419, 0.2755



15.9014, 0.2228, 0.1766

Rectangle

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



15.9014, 0.5192, 0.3285



15.9014, 0.4892, 0.4538



15.9014, 0.1419, 0.2755



15.9014, 0.1487, 0.1784

Sweetspot

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



15.9023, 0.5192, 0.3285



67.0452, 0.3499, 0.3287



19.0510, 0.3170, 0.1822



13.6132, 0.3569, 0.3287



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



15.9023, 0.5192, 0.3285



23.3262, 0.5848, 0.3289



27.3030, 0.4583, 0.4061



10.0791, 0.3288, 0.3289



7.5435, 0.6391, 0.3294



0.3264, 0.6355, 0.3274

Inverse Universe

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



15.9023, 0.5192, 0.3285



23.3262, 0.5848, 0.3289



21.7419, 0.2126, 0.2273



10.0791, 0.3288, 0.3289



7.5435, 0.6391, 0.3294



0.3264, 0.6355, 0.3274

Previews

White Background



This preview shows how the Yxy color 15.9014, 0.5192, 0.3285 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 15.9014, 0.5192, 0.3285 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 15.9014, 0.5192, 0.3285

Background



This preview shows how black text looks on a background with the Yxy color 15.9014, 0.5192, 0.3285.



This preview shows how white text looks on a background with the Yxy color 15.9014, 0.5192, 0.3285.

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

15.9014, 0.5192, 0.3285

Protanopia

16.1822, 0.3557, 0.3817

Deuteranopia

16.0974, 0.4155, 0.4108



Tritanopia

15.9396, 0.5144, 0.3250

Trichromacy



Original Color

15.9014, 0.5192, 0.3285

Protanomaly

15.0559, 0.4152, 0.3575

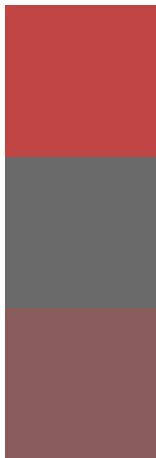
Deuteranomaly

15.3785, 0.4564, 0.3739

Tritanomaly

15.9266, 0.5160, 0.3262

Monochromacy



Original Color

15.9014, 0.5192, 0.3285

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7454, 0.3850, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9014, 0.5192, 0.3285 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(193, 68, 69)` looks like.

```
.text, #text, p{  
  color:rgb(193, 68, 69)  
}
```

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(193, 68, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 68, 69) }
```

Border

The CSS property to change the border of an element to Yxy 15.9014, 0.5192, 0.3285 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(193, 68, 69) }
```

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

```
.border{ border-color:rgb(193, 68, 69) }
```

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

Here you see how a box with a 4 pixel rgb(193, 68, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 68, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 68, 69);  
box-shadow:4px 4px 4px 4px rgb(193, 68,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9014, 0.5192, 0.3285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 68, 69) }
```

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

```
.background{ background-color: rgb(193, 68,  
69) }
```

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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