

Converting Colors

$Y_{xy}(10.0340, 0.5198, 0.3215)$

Have a look what the booklet for
Yxy(10.0340, 0.5198, 0.3215)
contains.

Yxy(10.0340, 0.5198, 0.3215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.0340, 0.5198, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	9F3339
RGB	159, 51, 57
RGB Percent	62%, 20%, 22%
CMY	0.3764, 0.8000, 0.7765
CMYK	0.00, 0.68, 0.64, 0.38
HSL	357°, 51%, 41%
HSV	357°, 68%, 62%
XYZ	16.2229, 10.0340, 4.9530
YIQ	83.9760, 62.4420, 24.7620

Conversions

Conversions Part 2

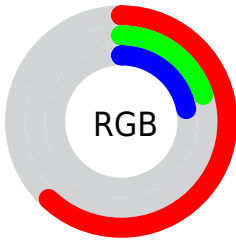
Format	Color
R_{YB}	159, 51, 57
Decimal	10433337
CIE Lab	37.90, 45.01, 21.54
CIE LCh	38, 49.901, 25.575
Yxy	10.0340, 0.5198, 0.3215
Android (android.graphics.Color)	4288623417 (0xFF9F3339)
YUV	83.9760, -13.2992, 65.7960
Hunter-Lab	31.6765, 35.9839, 12.9028

Details

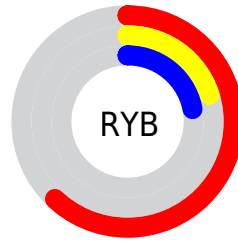
The Yxy color **10.0340, 0.5198, 0.3215** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **27.8052, 0.2386, 0.3399**, and the grayscale version is **8.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9602, 0.4653, 0.3295**, and **2.8012, 0.6086, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **8.7468, 0.5646, 0.3223**, and if you desaturate by 10%, it is **11.8418, 0.4746, 0.3217**.

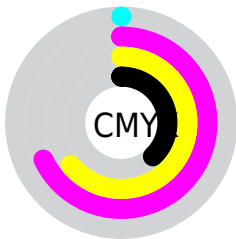
Distribution



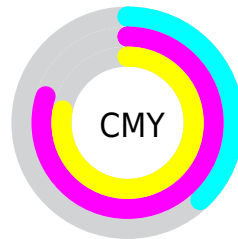
- Red (62%)
- Green (20%)
- Blue (22%)



- Red (62%)
- Yellow (20%)
- Blue (22%)



- Cyan (0%)
- Magenta (68%)
- Yellow (64%)
- Black (38%)




- Cyan (38%)
- Magenta (80%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0340, 0.5198, 0.3215 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 10.0340, 0.5198, 0.3215 by changing the saturation by 10% instead.


 10.0340, 0.5198,
0.3215


 10.0340, 0.5198,
0.3215


190.9146, 0.3907,
0.3331


 5.4215, 0.5631,
0.3124

 25.8594, 0.4652,
0.3292


 2.4966, 0.6278,
0.2951

 37.8412, 0.4471,
0.3308


 0.8750, 0.7382,
0.2618

 53.0481, 0.4327,
0.3318

 0.0000, 1.0000,
0.0000

 71.8646, 0.4211,
0.3324

 0.0000, 0.0000,
0.0000

 94.6751, 0.4115,
0.3328

 121.8640, 0.4034,

0.3330

153.8157, 0.3966,
0.3331

■ 10.0340, 0.5198,
0.3215

■ 10.0340, 0.5198,
0.3215

■ 8.7468, 0.5646,
0.3223

■ 11.8418, 0.4746,
0.3217

■ 7.9236, 0.6027,
0.3241

■ 14.2158, 0.4333,
0.3225

■ 7.4703, 0.6289,
0.3262

■ 17.1984, 0.3978,
0.3237

■ 7.3920, 0.6331,
0.3261

■ 20.8276, 0.3684,
0.3252

■ 25.1382, 0.3445,
0.3266

■ 30.1627, 0.3253,
0.3280

■ 35.9314, 0.3098,
0.3293

■ 42.4727, 0.2973,
0.3304

■ 49.8139, 0.2872,
0.3315

Harmonies

Analogous

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



10.0340, 0.4328, 0.2544



10.0340, 0.5198, 0.3215



10.0340, 0.5301, 0.3955

Triad

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



10.0340, 0.5198, 0.3215



10.0340, 0.2791, 0.5270



10.0340, 0.1547, 0.1711

Complementary

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



10.0340, 0.5198, 0.3215



27.8052, 0.2386, 0.3399

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.



10.0340, 0.1311, 0.2034



10.0340, 0.5198, 0.3215



10.0340, 0.1906, 0.4132

Square

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



10.0340, 0.5198, 0.3215



10.0340, 0.3818, 0.5379



10.0340, 0.1410, 0.2830



10.0340, 0.2138, 0.1724

Rectangle

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



10.0340, 0.5198, 0.3215



10.0340, 0.4980, 0.4481



10.0340, 0.1410, 0.2830



10.0340, 0.1432, 0.1776

Sweetspot

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



10.0346, 0.5198, 0.3215



43.0077, 0.3499, 0.3262



11.5278, 0.3092, 0.1751



9.2263, 0.3561, 0.3259



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



10.0346, 0.5198, 0.3215



14.7371, 0.5873, 0.3232



16.3094, 0.4715, 0.3995



6.6518, 0.3276, 0.3278



5.8392, 0.6321, 0.3256



0.1060, 0.5961, 0.3057

Inverse Universe

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



10.0346, 0.5198, 0.3215



14.7371, 0.5873, 0.3232



14.8406, 0.2125, 0.2346



6.6518, 0.3276, 0.3278



5.8392, 0.6321, 0.3256



0.1060, 0.5961, 0.3057

Previews

White Background



This preview shows how the Yxy color 10.0340, 0.5198, 0.3215 looks on a white background.

Color Contrast Check

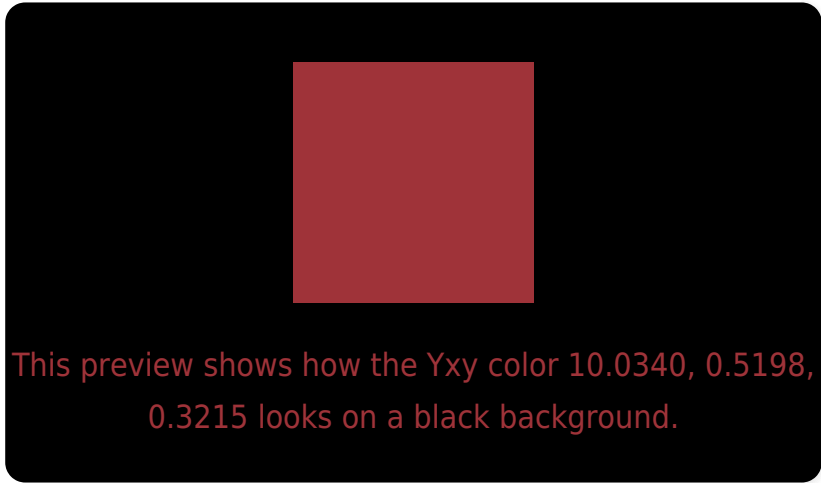
Large Text (above 18pt) WCAG AA ✓ Pass

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

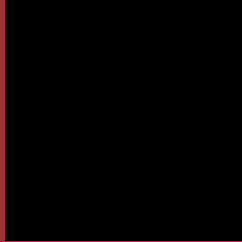
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.0340, 0.5198, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 10.0340, 0.5198, 0.3215.



This preview shows how white text looks on a background with the Yxy color 10.0340, 0.5198, 0.3215.

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

10.0340, 0.5198, 0.3215

Protanopia

10.2802, 0.3490, 0.3706

Deuteranopia

10.2096, 0.4122, 0.4064



Tritanopia

10.0049, 0.5256, 0.3257

Trichromacy



Original Color

10.0340, 0.5198, 0.3215

Protanomaly

9.4961, 0.4111, 0.3484

Deuteranomaly

9.6113, 0.4564, 0.3678

Tritanomaly

10.0144, 0.5237, 0.3243

Monochromacy



Original Color

10.0340, 0.5198, 0.3215

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.5086, 0.3858, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0340, 0.5198, 0.3215 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(159, 51, 57)` looks like.

```
.text, #text, p{  
    color:rgb(159, 51, 57)  
}
```

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(159, 51, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 51, 57) }
```

Border

The CSS property to change the border of an element to Yxy 10.0340, 0.5198, 0.3215 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(159, 51, 57) }
```

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

```
.border{ border-color:rgb(159, 51, 57) }
```

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

Here you see how a box with a 4 pixel rgb(159, 51, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 51, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 51, 57);  
box-shadow:4px 4px 4px 4px rgb(159, 51,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0340, 0.5198, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 51, 57) }
```

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

```
.background{ background-color: rgb(159, 51,  
57) }
```

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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