

Converting Colors

$Y_{xy}(13.6925, 0.5452, 0.3152)$

Have a look what the booklet for
Yxy(13.6925, 0.5452, 0.3152)
contains.

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Color

Yxy(13.6793, 0.5451, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	C0303F
RGB	192, 48, 63
RGB Percent	75%, 19%, 25%
CMY	0.2470, 0.8118, 0.7529
CMYK	0.00, 0.75, 0.67, 0.25
HSL	354°, 60%, 47%
HSV	354°, 75%, 75%
XYZ	23.6943, 13.6793, 6.0942
YIQ	92.7660, 81.0090, 35.1930

Conversions

Conversions Part 2

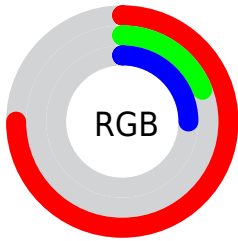
Format	Color
RYB	192, 48, 63
Decimal	12595263
CIELab	43.77, 57.05, 26.55
CIElCh	44, 62.929, 24.952
Yxy	13.6793, 0.5451, 0.3147
Android (android.graphics.Color)	4290785343 (0xFFC0303F)
YUV	92.7660, -14.6746, 87.0282
Hunter-Lab	36.9855, 49.6288, 16.1205

Details

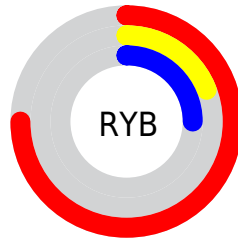
The Yxy color **13.6793, 0.5451, 0.3147** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **41.5062, 0.2381, 0.3528**, and the grayscale version is **10.9094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5266, 0.4882, 0.3247**, and **4.8794, 0.6116, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **12.2721, 0.5860, 0.3173**, and if you desaturate by 10%, it is **15.8276, 0.5003, 0.3141**.

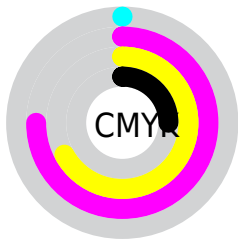
Distribution



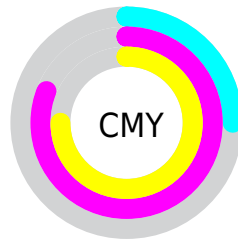
- Red (75%)
- Green (19%)
- Blue (25%)



- Red (75%)
- Yellow (19%)
- Blue (25%)



- Cyan (0%)
- Magenta (75%)
- Yellow (67%)
- Black (25%)




- Cyan (25%)
- Magenta (81%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6793, 0.5451, 0.3147 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 13.6793, 0.5451, 0.3147 by changing the saturation by 10% instead.


 13.6793, 0.5451,
0.3147

 13.6793, 0.5451,
0.3147


215.2265, 0.4069,
0.3320


 7.8980, 0.5867,
0.3042


 32.5189, 0.4893,
0.3248

 4.0297, 0.6428,
0.2856

 46.3459, 0.4700,
0.3273


 1.6902, 0.7413,
0.2587

 63.6237, 0.4544,
0.3290

 0.4173, 0.8399,
0.1601

 84.7365, 0.4415,
0.3301

 0.0000, 1.0000,
0.0000

 110.0688, 0.4307,
0.3309

 0.0000, 0.0000,
0.0000

 140.0050, 0.4216,

0.3314

174.9294, 0.4137,
0.3318

■ 13.6793, 0.5451,
0.3147

■ 13.6793, 0.5451,
0.3147

■ 12.2721, 0.5860,
0.3173

■ 15.8276, 0.5003,
0.3141

■ 11.5027, 0.6170,
0.3217

■ 18.7975, 0.4571,
0.3150

■ 11.2582, 0.6282,
0.3234

■ 22.6618, 0.4186,
0.3170

■ 27.4847, 0.3861,
0.3196

■ 33.3242, 0.3593,
0.3224

■ 40.2342, 0.3376,
0.3251

■ 48.2642, 0.3201,
0.3278

■ 57.4611, 0.3061,
0.3302

■ 67.8688, 0.2947,
0.3324

Harmonies

Analogous

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



13.6793, 0.4455, 0.2439



13.6793, 0.5451, 0.3147



13.6793, 0.5536, 0.3929

Triad

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



13.6793, 0.5451, 0.3147



13.6793, 0.2727, 0.5603



13.6793, 0.1387, 0.1558

Complementary

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



13.6793, 0.5451, 0.3147



41.5062, 0.2381, 0.3528

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.



13.6793, 0.1144, 0.1895



13.6793, 0.5451, 0.3147



13.6793, 0.1764, 0.4284

Square

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



13.6793, 0.5451, 0.3147



13.6793, 0.3847, 0.5609



13.6793, 0.1241, 0.2767



13.6793, 0.2006, 0.1573

Rectangle

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



13.6793, 0.5451, 0.3147



13.6793, 0.5153, 0.4508



13.6793, 0.1241, 0.2767



13.6793, 0.1269, 0.1625

Sweetspot

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



13.6801, 0.5451, 0.3147



62.2871, 0.3554, 0.3228



15.0577, 0.2990, 0.1591



12.4636, 0.3642, 0.3218



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.



13.6801, 0.5451, 0.3147



21.2173, 0.6074, 0.3200



21.1615, 0.5050, 0.3937



10.0946, 0.3273, 0.3266



7.5804, 0.6263, 0.3224



0.3334, 0.5846, 0.2994

Inverse Universe

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



13.6801, 0.5451, 0.3147



21.2173, 0.6074, 0.3200



22.2701, 0.2067, 0.2343



10.0946, 0.3273, 0.3266



7.5804, 0.6263, 0.3224



0.3334, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 13.6793, 0.5451, 0.3147 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 13.6793, 0.5451, 0.3147 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 13.6793, 0.5451, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 13.6793, 0.5451, 0.3147.



This preview shows how white text looks on a background with the Yxy color 13.6793, 0.5451, 0.3147.

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

13.6793, 0.5451, 0.3147

Protanopia

13.9360, 0.3489, 0.3699

Deuteranopia

13.7887, 0.4210, 0.4131



Tritanopia

13.7356, 0.5609, 0.3279

Trichromacy



Original Color

13.6793, 0.5451, 0.3147

Protanomaly

12.4519, 0.4211, 0.3421

Deuteranomaly

12.6221, 0.4739, 0.3649

Tritanomaly

13.6886, 0.5557, 0.3230

Monochromacy



Original Color

13.6793, 0.5451, 0.3147

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5841, 0.3992, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6793, 0.5451, 0.3147 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(192, 48, 63)` looks like.

```
.text, #text, p{  
  color:rgb(192, 48, 63)  
}
```

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(192, 48, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 48, 63) }
```

Border

The CSS property to change the border of an element to Yxy 13.6793, 0.5451, 0.3147 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(192, 48, 63) }
```

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

```
.border{ border-color:rgb(192, 48, 63) }
```

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

Here you see how a box with a 4 pixel rgb(192, 48, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 48, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 48, 63);  
box-shadow:4px 4px 4px 4px rgb(192, 48,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6793, 0.5451, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 48, 63) }
```

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

```
.background{ background-color: rgb(192, 48,  
63) }
```

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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