

Converting Colors

$Y_{xy}(13.8906, 0.5307, 0.2697)$

Have a look what the booklet for
Yxy(13.8906, 0.5307, 0.2697)
contains.

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Color

Yxy(13.9535, 0.5313, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	CF0057
RGB	207, 0, 87
RGB Percent	81%, 0%, 34%
CMY	0.1883, 0.9992, 0.6589
CMYK	0.00, 1.00, 0.58, 0.19
HSL	335°, 100%, 41%
HSV	335°, 100%, 81%
XYZ	27.4472, 13.9535, 10.2598
YIQ	71.8110, 95.4450, 70.9410

Conversions

Conversions Part 2

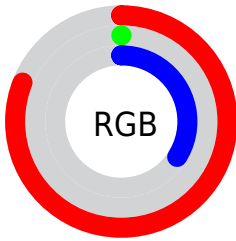
Format	Color
RYB	207, 0, 87
Decimal	13566039
CIELab	44.17, 71.15, 12.72
CIELCh	44, 72.281, 10.140
Yxy	13.9535, 0.5313, 0.2701
Android (android.graphics.Color)	4291756119 (0xFFCF0057)
YUV	71.8110, 7.4882, 118.5608
Hunter-Lab	37.3544, 65.7879, 9.8634

Details

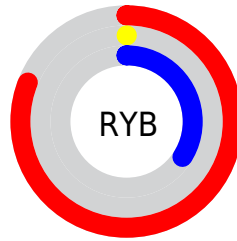
The Yxy color **13.9535, 0.5313, 0.2701** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **45.9768, 0.2650, 0.4738**, and the grayscale version is **6.4407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0170, 0.4653, 0.2840**, and **6.1942, 0.5727, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **13.9480, 0.5316, 0.2702**, and if you desaturate by 10%, it is **14.6955, 0.5035, 0.2620**.

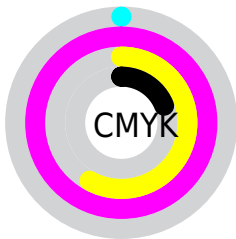
Distribution



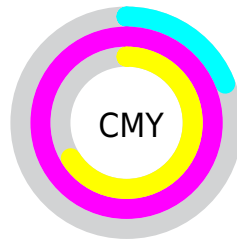
- Red (81%)
- Green (0%)
- Blue (34%)



- Red (81%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9535, 0.5313, 0.2701 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 13.9535, 0.5313, 0.2701 by changing the saturation by 10% instead.


 13.9535, 0.5313,
0.2701


 13.9535, 0.5313,
0.2701


216.9414, 0.4017,
0.3091


 8.0883, 0.5711,
0.2560


 33.0065, 0.4787,
0.2872


 4.1515, 0.6264,
0.2346

 46.9631, 0.4607,
0.2927

 1.7587, 0.7061,
0.2006

 64.3857, 0.4460,
0.2970

 0.4612, 0.8669,
0.1331

 85.6586, 0.4340,
0.3004

 0.0000, 1.0000,
0.0000

 111.1662, 0.4239,
0.3031

 0.0000, 0.0000,
0.0000

 141.2929, 0.4154,

0.3055

176.4232, 0.4080,
0.3074

■ 13.9535, 0.5313,
0.2701

■ 13.9535, 0.5313,
0.2701

■ 13.9480, 0.5316,
0.2702

■ 14.6955, 0.5035,
0.2620

■ 16.0375, 0.4741,
0.2585

■ 18.1701, 0.4445,
0.2602

■ 21.1977, 0.4167,
0.2661

■ 25.2085, 0.3916,
0.2749

■ 30.2800, 0.3698,
0.2853

■ 36.4820, 0.3513,
0.2965

■ 43.8781, 0.3359,
0.3078

■ 52.5272, 0.3231,
0.3188

Harmonies

Analogous

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



13.9535, 0.3845, 0.2012



13.9535, 0.5313, 0.2701



13.9535, 0.5894, 0.3474

Triad

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



13.9535, 0.5313, 0.2701



13.9535, 0.3207, 0.6113



13.9535, 0.1061, 0.1505

Complementary

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



13.9535, 0.5313, 0.2701



45.9768, 0.2650, 0.4738

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.



13.9535, 0.0970, 0.2093



13.9535, 0.5313, 0.2701



13.9535, 0.2046, 0.5359

Square

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



13.9535, 0.5313, 0.2701



13.9535, 0.4436, 0.5428



13.9535, 0.1251, 0.3444



13.9535, 0.1500, 0.1367

Rectangle

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



13.9535, 0.5313, 0.2701



13.9535, 0.5680, 0.4047



13.9535, 0.1251, 0.3444



13.9535, 0.0995, 0.1639

Sweetspot

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



13.9544, 0.5313, 0.2701



57.9835, 0.3521, 0.2960



8.3162, 0.2153, 0.0960



11.4619, 0.3597, 0.2912



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.



13.9544, 0.5313, 0.2701



22.3220, 0.5345, 0.2718



13.5763, 0.6356, 0.3334



11.8894, 0.3226, 0.3193



8.8080, 0.5281, 0.2683



0.5082, 0.4810, 0.2423

Inverse Universe

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



13.9544, 0.5313, 0.2701



22.3220, 0.5345, 0.2718



42.7302, 0.2189, 0.3079



11.8894, 0.3226, 0.3193



8.8080, 0.5281, 0.2683



0.5082, 0.4810, 0.2423

Previews

White Background



This preview shows how the Yxy color 13.9535, 0.5313, 0.2701 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 13.9535, 0.5313, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

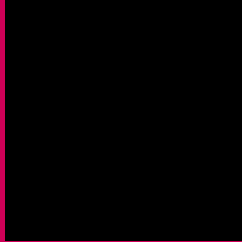
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9535, 0.5313, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 13.9535, 0.5313, 0.2701.



This preview shows how white text looks on a background with the Yxy color 13.9535, 0.5313, 0.2701.

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

13.9535, 0.5313, 0.2701

Protanopia

14.6652, 0.2821, 0.2860

Deuteranopia

14.4884, 0.3831, 0.3768



Tritanopia

14.2910, 0.6035, 0.3311

Trichromacy



Original Color

13.9535, 0.5313, 0.2701



Protanomaly

10.8795, 0.3652, 0.2514



Deuteranomaly

11.3432, 0.4527, 0.3039



Tritanomaly

13.9527, 0.5862, 0.3100

Monochromacy



Original Color

13.9535, 0.5313, 0.2701



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.5548, 0.4163, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9535, 0.5313, 0.2701 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(207, 0, 87)` looks like.

```
.text, #text, p{  
  color:rgb(207, 0, 87)  
}
```

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(207, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 87) }
```

Border

The CSS property to change the border of an element to Yxy 13.9535, 0.5313, 0.2701 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(207, 0, 87) }
```

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

```
.border{ border-color:rgb(207, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9535, 0.5313, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 87) }
```

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

```
.background{ background-color: rgb(207, 0,  
87) }
```

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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