

Converting Colors

$Y_{xy}(13.5567, 0.5246, 0.2664)$

Have a look what the booklet for
Yxy(13.5567, 0.5246, 0.2664)
contains.

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Color

Yxy(13.5586, 0.5244, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	CC0059
RGB	204, 0, 89
RGB Percent	80%, 0%, 35%
CMY	0.2001, 0.9992, 0.6511
CMYK	0.00, 1.00, 0.56, 0.20
HSL	334°, 100%, 40%
HSV	334°, 100%, 80%
XYZ	26.6997, 13.5586, 10.6565
YIQ	71.1420, 93.0150, 70.9270

Conversions

Conversions Part 2

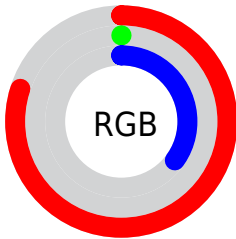
Format	Color
RYB	204, 0, 89
Decimal	13369433
CIELab	43.59, 70.59, 10.58
CIElCh	44, 71.382, 8.522
Yxy	13.5586, 0.5244, 0.2663
Android (android.graphics.Color)	4291559513 (0xFFCC0059)
YUV	71.1420, 8.8040, 116.5165
Hunter-Lab	36.8220, 64.9922, 8.6166

Details

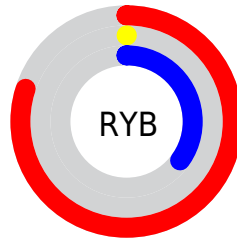
The Yxy color **13.5586, 0.5244, 0.2663** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **44.4185, 0.2665, 0.4793**, and the grayscale version is **6.3188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9405, 0.4615, 0.2802**, and **5.9326, 0.5675, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **13.5531, 0.5247, 0.2664**, and if you desaturate by 10%, it is **14.2855, 0.4973, 0.2585**.

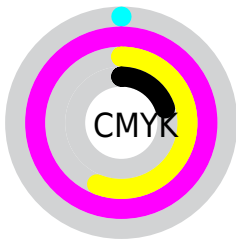
Distribution



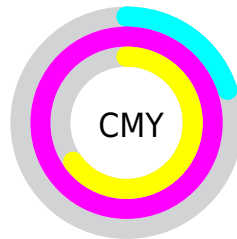
- Red (80%)
- Green (0%)
- Blue (35%)



- Red (80%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5586, 0.5244, 0.2663 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 13.5586, 0.5244, 0.2663 by changing the saturation by 10% instead.


 13.5586, 0.5244,
0.2663


 13.5586, 0.5244,
0.2663


214.4673, 0.3984,
0.3069


 7.8143, 0.5636,
0.2519


 32.3038, 0.4731,
0.2839


 3.9764, 0.6184,
0.2303

 46.0734, 0.4555,
0.2896

 1.6603, 0.6980,
0.1959

 63.2870, 0.4413,
0.2941

 0.3978, 0.8769,
0.1231

 84.3288, 0.4297,
0.2977

 0.0000, 1.0000,
0.0000

 109.5834, 0.4199,
0.3006

 0.0000, 0.0000,
0.0000

 139.4351, 0.4116,

0.3031

174.2682, 0.4045,
0.3051

■ 13.5586, 0.5244,
0.2663

■ 13.5586, 0.5244,
0.2663

■ 13.5531, 0.5247,
0.2664

■ 14.2855, 0.4973,
0.2585

■ 15.5897, 0.4688,
0.2554

■ 17.6569, 0.4403,
0.2575

■ 20.5874, 0.4134,
0.2637

■ 24.4663, 0.3892,
0.2729

■ 29.3683, 0.3681,
0.2838

■ 35.3603, 0.3502,
0.2954

■ 42.5039, 0.3353,
0.3071

■ 50.8558, 0.3229,
0.3184

Harmonies

Analogous

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



13.5586, 0.3757, 0.1983



13.5586, 0.5244, 0.2663



13.5586, 0.5886, 0.3432

Triad

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



13.5586, 0.5244, 0.2663



13.5586, 0.3275, 0.6094



13.5586, 0.1052, 0.1527

Complementary

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



13.5586, 0.5244, 0.2663



44.4185, 0.2665, 0.4793

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.



13.5586, 0.0978, 0.2147



13.5586, 0.5244, 0.2663



13.5586, 0.2107, 0.5439

Square

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



13.5586, 0.5244, 0.2663



13.5586, 0.4501, 0.5372



13.5586, 0.1284, 0.3542



13.5586, 0.1469, 0.1370

Rectangle

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



13.5586, 0.5244, 0.2663



13.5586, 0.5707, 0.3999



13.5586, 0.1284, 0.3542



13.5586, 0.0991, 0.1669

Sweetspot

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



13.5594, 0.5244, 0.2663



58.0449, 0.3510, 0.2948



7.8259, 0.2119, 0.0941



11.4763, 0.3584, 0.2898



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.



13.5594, 0.5244, 0.2663



22.4098, 0.5277, 0.2681



13.0602, 0.6367, 0.3325



11.2935, 0.3223, 0.3189



8.5506, 0.5212, 0.2645



0.4563, 0.4724, 0.2376

Inverse Universe

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



13.5594, 0.5244, 0.2663



22.4098, 0.5277, 0.2681



42.8492, 0.2204, 0.3133



11.2935, 0.3223, 0.3189



8.5506, 0.5212, 0.2645



0.4563, 0.4724, 0.2376

Previews

White Background



This preview shows how the Yxy color 13.5586, 0.5244, 0.2663 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 13.5586, 0.5244, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

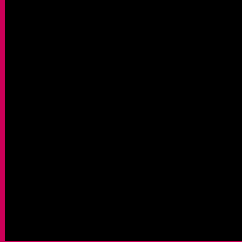
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5586, 0.5244, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 13.5586, 0.5244, 0.2663.



This preview shows how white text looks on a background with the Yxy color 13.5586, 0.5244, 0.2663.

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

13.5586, 0.5244, 0.2663

Protanopia

14.1949, 0.2771, 0.2777

Deuteranopia

14.1716, 0.3778, 0.3715



Tritanopia

13.9338, 0.6007, 0.3311

Trichromacy



Original Color

13.5586, 0.5244, 0.2663



Protanomaly

10.5146, 0.3587, 0.2439



Deuteranomaly

11.0636, 0.4463, 0.2987



Tritanomaly

13.5756, 0.5827, 0.3090

Monochromacy



Original Color

13.5586, 0.5244, 0.2663



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.3488, 0.4103, 0.2626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5586, 0.5244, 0.2663 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(204, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 89)  
}
```

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(204, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 89) }
```

Border

The CSS property to change the border of an element to Yxy 13.5586, 0.5244, 0.2663 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(204, 0, 89) }
```

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

```
.border{ border-color:rgb(204, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5586, 0.5244, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 89) }
```

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

```
.background{ background-color: rgb(204, 0,  
89) }
```

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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