

Converting Colors

$Y_{xy}(13.6522, 0.5129, 0.2599)$

Have a look what the booklet for
Yxy(13.6522, 0.5129, 0.2599)
contains.

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Color

Yxy(13.6636, 0.5120, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	CC005F
RGB	204, 0, 95
RGB Percent	80%, 0%, 37%
CMY	0.2000, 1.0000, 0.6275
CMYK	0.00, 1.00, 0.53, 0.20
HSL	332°, 100%, 40%
HSV	332°, 100%, 80%
XYZ	26.9690, 13.6636, 12.0412
YIQ	71.8260, 91.0890, 72.7930

Conversions

Conversions Part 2

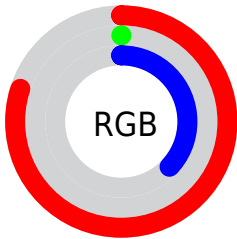
Format	Color
RYB	204, 0, 95
Decimal	13369439
CIELab	43.75, 71.03, 7.01
CIElCh	44, 71.375, 5.638
Yxy	13.6636, 0.5120, 0.2594
Android (android.graphics.Color)	4291559519 (0xFFCC005F)
YUV	71.8260, 11.4248, 115.9166
Hunter-Lab	36.9643, 65.5454, 6.5611

Details

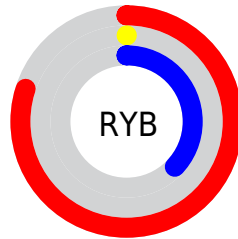
The Yxy color **13.6636, 0.5120, 0.2594** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **44.2942, 0.2695, 0.4900**, and the grayscale version is **6.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1207, 0.4529, 0.2742**, and **6.0699, 0.5527, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **13.6647, 0.5120, 0.2594**, and if you desaturate by 10%, it is **14.3916, 0.4864, 0.2522**.

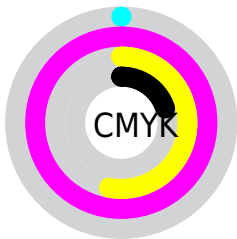
Distribution



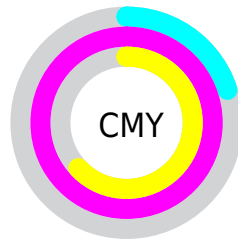
- Red (80%)
- Green (0%)
- Blue (37%)



- Red (80%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6636, 0.5120, 0.2594 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 13.6636, 0.5120, 0.2594 by changing the saturation by 10% instead.


 13.6636, 0.5120,
0.2594


 13.6636, 0.5120,
0.2594


215.1279, 0.3937,
0.3028


 7.8871, 0.5489,
0.2448


 32.4909, 0.4638,
0.2777


 4.0228, 0.6008,
0.2233

 46.3105, 0.4473,
0.2838

 1.6863, 0.6772,
0.1899

 63.5799, 0.4340,
0.2886

 0.4148, 0.8747,
0.1253

 84.6835, 0.4231,
0.2925

 0.0000, 1.0000,
0.0000

 110.0057, 0.4139,
0.2958

 0.0000, 0.0000,
0.0000

 139.9309, 0.4061,

0.2985

174.8435, 0.3994,
0.3008

■ 13.6636, 0.5120,
0.2594

■ 13.6636, 0.5120,
0.2594

■ 13.6647, 0.5120,
0.2594

■ 14.3916, 0.4864,
0.2522

■ 15.6904, 0.4596,
0.2496

■ 17.7483, 0.4330,
0.2523

■ 20.6659, 0.4079,
0.2592

■ 24.5281, 0.3852,
0.2690

■ 29.4095, 0.3654,
0.2806

■ 35.3772, 0.3485,
0.2930

■ 42.4924, 0.3343,
0.3055

■ 50.8118, 0.3225,
0.3175

Harmonies

Analogous

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



13.6636, 0.3604, 0.1930



13.6636, 0.5120, 0.2594



13.6636, 0.5868, 0.3357

Triad

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



13.6636, 0.5120, 0.2594



13.6636, 0.3394, 0.6056



13.6636, 0.1034, 0.1566

Complementary

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



13.6636, 0.5120, 0.2594



44.2942, 0.2695, 0.4900

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.



13.6636, 0.0992, 0.2245



13.6636, 0.5120, 0.2594



13.6636, 0.2213, 0.5575

Square

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



13.6636, 0.5120, 0.2594



13.6636, 0.4611, 0.5270



13.6636, 0.1343, 0.3721



13.6636, 0.1415, 0.1373

Rectangle

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



13.6636, 0.5120, 0.2594



13.6636, 0.5752, 0.3913



13.6636, 0.1343, 0.3721



13.6636, 0.0984, 0.1724

Sweetspot

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



13.6647, 0.5120, 0.2594



58.1614, 0.3491, 0.2925



7.5989, 0.2083, 0.0921



11.5037, 0.3560, 0.2872



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.



13.6647, 0.5120, 0.2594



22.5857, 0.5149, 0.2610



12.9862, 0.6379, 0.3317



11.2992, 0.3218, 0.3183



8.6184, 0.5087, 0.2576



0.4599, 0.4626, 0.2322

Inverse Universe

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



13.6647, 0.5120, 0.2594



22.5857, 0.5149, 0.2610



44.3871, 0.2218, 0.3185



11.2992, 0.3218, 0.3183



8.6184, 0.5087, 0.2576



0.4599, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 13.6636, 0.5120, 0.2594 looks on a white background.

Color Contrast Check

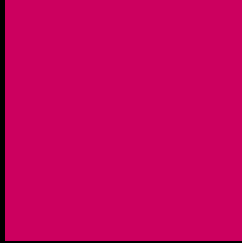
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6636, 0.5120, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

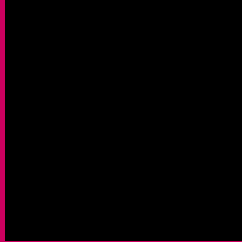
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6636, 0.5120, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 13.6636, 0.5120, 0.2594.



This preview shows how white text looks on a background with the Yxy color 13.6636, 0.5120, 0.2594.

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

13.6636, 0.5120, 0.2594

Protanopia

14.2770, 0.2641, 0.2606

Deuteranopia

14.3122, 0.3653, 0.3617



Tritanopia

14.0764, 0.5960, 0.3305

Trichromacy



Original Color

13.6636, 0.5120, 0.2594

Protanomaly

10.5358, 0.3411, 0.2302

Deuteranomaly

11.1773, 0.4317, 0.2899

Tritanomaly

13.6553, 0.5759, 0.3058

Monochromacy



Original Color

13.6636, 0.5120, 0.2594

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.5262, 0.4067, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6636, 0.5120, 0.2594 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, 95)` looks like.

```
.text, #text, p{  
  color:rgb(204, 0, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 95) }
```

Border

The CSS property to change the border of an element to Yxy 13.6636, 0.5120, 0.2594 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, 95) }
```

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

```
.border{ border-color:rgb(204, 0, 95) }
```

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, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 95)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6636, 0.5120, 0.2594 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, 95) }
```

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

```
.background{ background-color: rgb(204, 0,  
95) }
```

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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