

Converting Colors

$Y_{xy}(13.5767, 0.5222, 0.2650)$

Have a look what the booklet for
Yxy(13.5767, 0.5222, 0.2650)
contains.

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Color

Yxy(13.5756, 0.5223, 0.2651)

Conversions

Conversions Part 1	
Format	Color
Hex	CC005A
RGB	204, 0, 90
RGB Percent	80%, 0%, 35%
CMY	0.2000, 0.9997, 0.6470
CMYK	0.00, 1.00, 0.56, 0.20
HSL	334°, 100%, 40%
HSV	334°, 100%, 80%
XYZ	26.7466, 13.5756, 10.8871
YIQ	71.2560, 92.6940, 71.2380

Conversions

Conversions Part 2

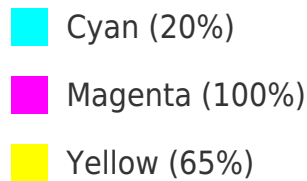
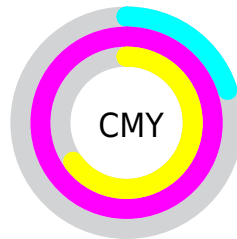
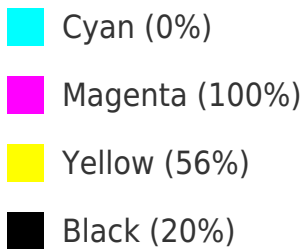
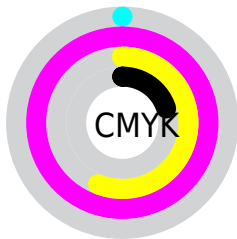
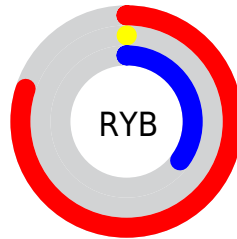
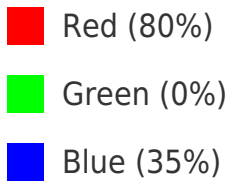
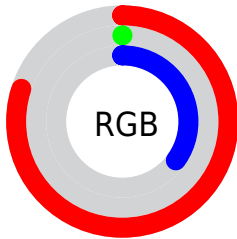
Format	Color
RYB	204, 0, 90
Decimal	13369434
CIELab	43.62, 70.68, 9.96
CIELCh	44, 71.377, 8.022
Yxy	13.5756, 0.5223, 0.2651
Android (android.graphics.Color)	4291559514 (0xFFCC005A)
YUV	71.2560, 9.2408, 116.4165
Hunter-Lab	36.8451, 65.0981, 8.2723

Details

The Yxy color **13.5756, 0.5223, 0.2651** 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 **44.3991, 0.2671, 0.4814**, and the grayscale version is **6.3261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9698, 0.4600, 0.2792**, and **5.9402, 0.5649, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **13.5743, 0.5224, 0.2651**, and if you desaturate by 10%, it is **14.3013, 0.4955, 0.2574**.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5756, 0.5223, 0.2651 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 13.5756, 0.5223, 0.2651 by changing the saturation by 10% instead.


 13.5756, 0.5223,
0.2651


 13.5756, 0.5223,
0.2651


214.5744, 0.3976,
0.3062

 7.8261, 0.5611,
0.2507


 32.3341, 0.4715,
0.2828


 3.9839, 0.6155,
0.2291


 46.1118, 0.4541,
0.2886


 1.6645, 0.6945,
0.1949


 63.3344, 0.4401,
0.2931

 0.4005, 0.8766,
0.1234

 84.3863, 0.4285,
0.2968

 0.0000, 1.0000,
0.0000

 109.6519, 0.4189,
0.2998

 0.0000, 0.0000,
0.0000

 139.5155, 0.4107,


0.3023


174.3615, 0.4037,
0.3044


 13.5756, 0.5223,
0.2651

 13.5756, 0.5223,
0.2651


 13.5743, 0.5224,
0.2651


 14.3013, 0.4955,
0.2574


 15.6014, 0.4673,
0.2544


 17.6634, 0.4391,
0.2565


 20.5878, 0.4125,
0.2629

 24.4595, 0.3886,
0.2721

 29.3534, 0.3677,
0.2831

 35.3365, 0.3500,
0.2949

 42.4703, 0.3352,
0.3067

 50.8115, 0.3228,
0.3182

Harmonies

Analogous

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



13.5756, 0.3730, 0.1973



13.5756, 0.5223, 0.2651



13.5756, 0.5883, 0.3419

Triad

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



13.5756, 0.5223, 0.2651



13.5756, 0.3296, 0.6088



13.5756, 0.1049, 0.1533

Complementary

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



13.5756, 0.5223, 0.2651



44.3991, 0.2671, 0.4814

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.



13.5756, 0.0980, 0.2164



13.5756, 0.5223, 0.2651



13.5756, 0.2125, 0.5463

Square

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



13.5756, 0.5223, 0.2651



13.5756, 0.4520, 0.5355



13.5756, 0.1294, 0.3572



13.5756, 0.1460, 0.1370

Rectangle

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



13.5756, 0.5223, 0.2651



13.5756, 0.5715, 0.3984



13.5756, 0.1294, 0.3572



13.5756, 0.0990, 0.1678

Sweetspot

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



13.5764, 0.5223, 0.2651



58.0659, 0.3507, 0.2944



7.8205, 0.2118, 0.0941



11.4812, 0.3580, 0.2893



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.



13.5764, 0.5223, 0.2651



22.4405, 0.5254, 0.2668



13.0595, 0.6368, 0.3325



11.2945, 0.3222, 0.3188



8.5625, 0.5189, 0.2632



0.4569, 0.4706, 0.2366

Inverse Universe

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



13.5764, 0.5223, 0.2651



22.4405, 0.5254, 0.2668



42.8532, 0.2204, 0.3132



11.2945, 0.3222, 0.3188



8.5625, 0.5189, 0.2632



0.4569, 0.4706, 0.2366

Previews

White Background



This preview shows how the Yxy color 13.5756, 0.5223, 0.2651 looks on a white background.

Color Contrast Check

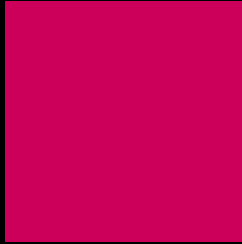
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5756, 0.5223, 0.2651 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 13.5756, 0.5223, 0.2651

Background



This preview shows how black text looks on a background with the Yxy color 13.5756, 0.5223, 0.2651.

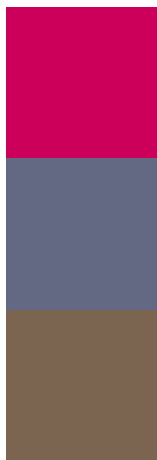


This preview shows how white text looks on a background with the Yxy color 13.5756, 0.5223, 0.2651.

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

13.5756, 0.5223, 0.2651

Protanopia

14.1920, 0.2737, 0.2737

Deuteranopia

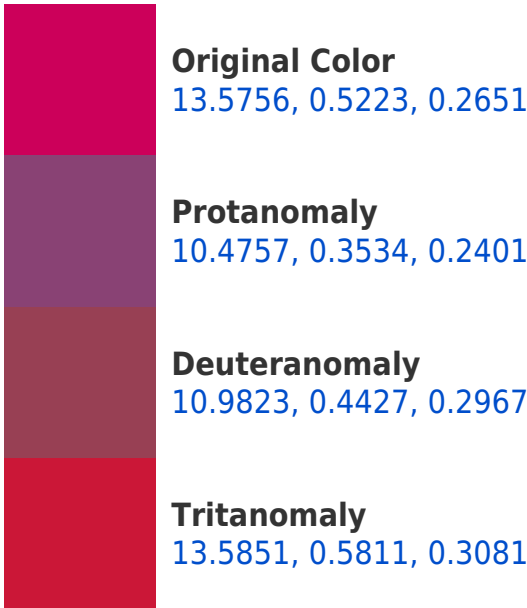
14.1124, 0.3748, 0.3697



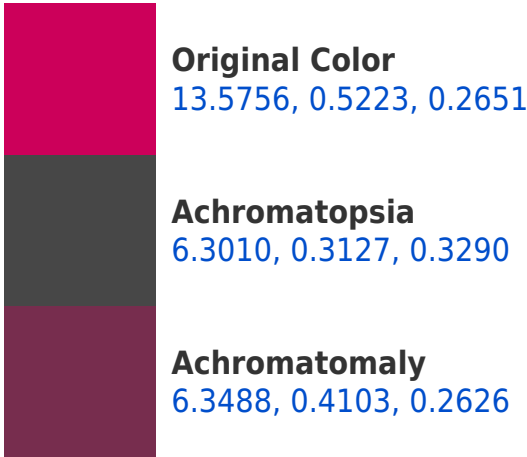
Tritanopia

13.9397, 0.5996, 0.3305

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5756, 0.5223, 0.2651 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 90)  
}
```


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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 13.5756, 0.5223, 0.2651 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, 90) }
```


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

```
.border{ border-color:rgb(204, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5756, 0.5223, 0.2651 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, 90) }
```

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

```
.background{ background-color: rgb(204, 0,  
90) }
```

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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