

Converting Colors

$Y_{xy}(13.5055, 0.5966, 0.2739)$

Have a look what the booklet for
Yxy(13.5055, 0.5966, 0.2739)
contains.

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Color

Yxy(15.6209, 0.5775, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	DC0043
RGB	220, 0, 67
RGB Percent	86%, 0%, 26%
CMY	0.1373, 0.9998, 0.7373
CMYK	0.00, 1.00, 0.70, 0.14
HSL	342°, 100%, 43%
HSV	342°, 100%, 86%
XYZ	30.5282, 15.6209, 6.7136
YIQ	73.4180, 109.6130, 67.4770

Conversions

Conversions Part 2

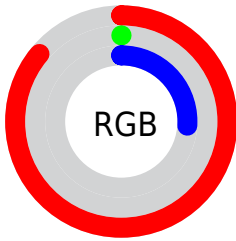
Format	Color
RYB	220, 0, 67
Decimal	14417987
CIELab	46.47, 73.14, 28.70
CIElCh	46, 78.567, 21.426
Yxy	15.6209, 0.5775, 0.2955
Android (android.graphics.Color)	4292608067 (0xFFDC0043)
YUV	73.4180, -3.1641, 128.5524
Hunter-Lab	39.5233, 68.7093, 17.5951

Details

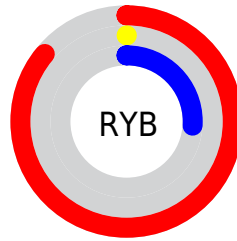
The Yxy color **15.6209, 0.5775, 0.2955** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.4892, 0.2535, 0.4325**, and the grayscale version is **6.7361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8101, 0.4935, 0.3065**, and **7.1381, 0.6147, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **15.6203, 0.5776, 0.2955**, and if you desaturate by 10%, it is **16.4051, 0.5469, 0.2863**.

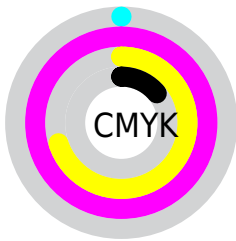
Distribution



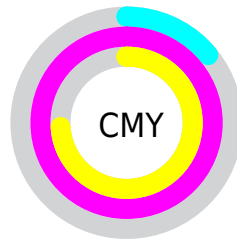
- Red (86%)
- Green (0%)
- Blue (26%)



- Red (86%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6209, 0.5775, 0.2955 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 15.6209, 0.5775, 0.2955 by changing the saturation by 10% instead.


 15.6209, 0.5775,
0.2955


 15.6209, 0.5775,
0.2955


227.0942, 0.4243,
0.3253

 9.2563, 0.6206,
0.2817


 35.9388, 0.5175,
0.3106


 4.9087, 0.6767,
0.2597

 50.6609, 0.4961,
0.3149

 2.1938, 0.7704,
0.2296

 68.9376, 0.4786,
0.3180

 0.7166, 0.8391,
0.1609

 91.1533, 0.4640,
0.3203

 0.0000, 1.0000,
0.0000

 117.6924, 0.4517,
0.3220

 0.0000, 0.0000,
0.0000

 148.9394, 0.4413,

0.3234

185.2785, 0.4322,
0.3244

■ 15.6209, 0.5775,
0.2955

■ 15.6209, 0.5775,
0.2955

■ 15.6203, 0.5776,
0.2955

■ 16.4051, 0.5469,
0.2863

■ 17.8951, 0.5119,
0.2810

■ 20.3082, 0.4754,
0.2803

■ 23.7676, 0.4405,
0.2836

■ 28.3774, 0.4090,
0.2895

■ 34.2291, 0.3819,
0.2970

■ 41.4048, 0.3592,
0.3052

■ 49.9794, 0.3405,
0.3135

■ 60.0225, 0.3252,
0.3215

Harmonies

Analogous

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



15.6209, 0.4501, 0.2214



15.6209, 0.5775, 0.2955



15.6209, 0.5909, 0.3765

Triad

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



15.6209, 0.5775, 0.2955



15.6209, 0.2709, 0.6197



15.6209, 0.1126, 0.1354

Complementary

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



15.6209, 0.5775, 0.2955



53.4892, 0.2535, 0.4325

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.



15.6209, 0.0907, 0.1743



15.6209, 0.5775, 0.2955



15.6209, 0.1620, 0.4732

Square

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



15.6209, 0.5775, 0.2955



15.6209, 0.3966, 0.5851



15.6209, 0.1026, 0.2794



15.6209, 0.1731, 0.1344

Rectangle

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



15.6209, 0.5775, 0.2955



15.6209, 0.5476, 0.4413



15.6209, 0.1026, 0.2794



15.6209, 0.1016, 0.1433

Sweetspot

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



15.6219, 0.5775, 0.2955



57.5539, 0.3598, 0.3050



11.6857, 0.2414, 0.1104



11.3615, 0.3690, 0.3015



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.



15.6219, 0.5775, 0.2955



21.8043, 0.5796, 0.2967



16.7589, 0.6221, 0.3442



13.1164, 0.3244, 0.3219



9.1848, 0.5736, 0.2933



0.6101, 0.5268, 0.2676

Inverse Universe

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



15.6219, 0.5775, 0.2955



21.8043, 0.5796, 0.2967



37.6797, 0.2079, 0.2686



13.1164, 0.3244, 0.3219



9.1848, 0.5736, 0.2933



0.6101, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 15.6209, 0.5775, 0.2955 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 15.6209, 0.5775, 0.2955 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 15.6209, 0.5775, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 15.6209, 0.5775, 0.2955.

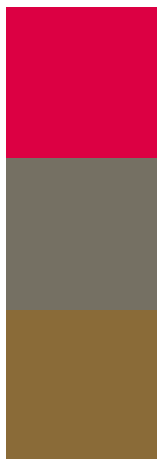


This preview shows how white text looks on a background with the Yxy color 15.6209, 0.5775, 0.2955.

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

15.6209, 0.5775, 0.2955

Protanopia

16.2711, 0.3360, 0.3554

Deuteranopia

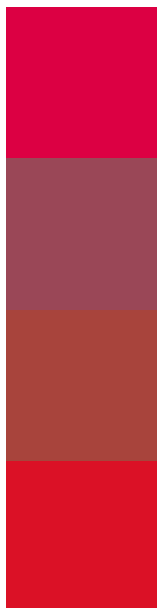
16.2042, 0.4256, 0.4192



Tritanopia

15.9019, 0.6209, 0.3319

Trichromacy



Original Color

15.6209, 0.5775, 0.2955

Protanomaly

12.0646, 0.4347, 0.3031

Deuteranomaly

12.7853, 0.5067, 0.3404

Tritanomaly

15.6009, 0.6119, 0.3207

Monochromacy



Original Color

15.6209, 0.5775, 0.2955

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.8445, 0.4414, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6209, 0.5775, 0.2955 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(220, 0, 67)` looks like.

```
.text, #text, p{  
  color:rgb(220, 0, 67)  
}
```

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(220, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 15.6209, 0.5775, 0.2955 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(220, 0, 67) }
```

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

```
.border{ border-color:rgb(220, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(220, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(220, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6209, 0.5775, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 67) }
```

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

```
.background{ background-color: rgb(220, 0,  
67) }
```

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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