

Converting Colors

$Y_{xy}(15.1921, 0.5657, 0.2890)$

Have a look what the booklet for
Yxy(15.1921, 0.5657, 0.2890)
contains.

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Color

Yxy(15.2328, 0.5656, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	D90049
RGB	217, 0, 73
RGB Percent	85%, 0%, 29%
CMY	0.1489, 1.0000, 0.7137
CMYK	0.00, 1.00, 0.66, 0.15
HSL	340°, 100%, 43%
HSV	340°, 100%, 85%
XYZ	29.8223, 15.2328, 7.6718
YIQ	73.2050, 105.8990, 68.7070

Conversions

Conversions Part 2

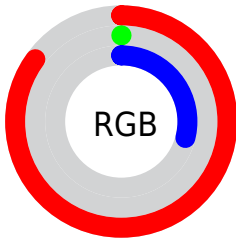
Format	Color
RYB	217, 0, 73
Decimal	14221385
CIELab	45.95, 72.73, 24.21
CIElCh	46, 76.650, 18.410
Yxy	15.2328, 0.5656, 0.2889
Android (android.graphics.Color)	4292411465 (0xFFD90049)
YUV	73.2050, -0.1011, 126.1082
Hunter-Lab	39.0292, 68.0912, 15.6661

Details

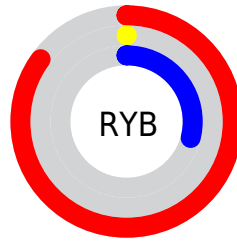
The Yxy color **15.2328, 0.5656, 0.2889** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **51.6500, 0.2567, 0.4441**, and the grayscale version is **6.6876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9528, 0.4853, 0.3007**, and **6.9638, 0.6059, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **15.2357, 0.5656, 0.2889**, and if you desaturate by 10%, it is **16.0119, 0.5354, 0.2798**.

Distribution



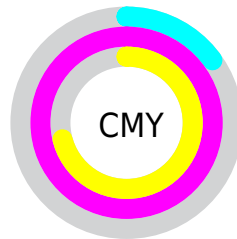
- Red (85%)
- Green (0%)
- Blue (29%)



- Red (85%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2328, 0.5656, 0.2889 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 15.2328, 0.5656, 0.2889 by changing the saturation by 10% instead.


 15.2328, 0.5656,
0.2889


 15.2328, 0.5656,
0.2889


224.7710, 0.4181,
0.3208

 8.9829, 0.6083,
0.2753


 35.2611, 0.5072,
0.3043

 4.7301, 0.6649,
0.2537


 49.8083, 0.4866,
0.3088


 2.0898, 0.7534,
0.2221

 67.8900, 0.4698,
0.3122

 0.6589, 0.8440,
0.1560

 89.8907, 0.4559,
0.3148

 0.0000, 1.0000,
0.0000

 116.1948, 0.4442,
0.3168

 0.0000, 0.0000,
0.0000

 147.1866, 0.4342,

0.3184

183.2505, 0.4256,
0.3197

■ 15.2328, 0.5656,
0.2889

■ 15.2328, 0.5656,
0.2889

■ 15.2357, 0.5656,
0.2889

■ 16.0119, 0.5354,
0.2798

■ 17.4674, 0.5017,
0.2748

■ 19.8132, 0.4670,
0.2747

■ 23.1681, 0.4339,
0.2786

■ 27.6323, 0.4043,
0.2853

■ 33.2939, 0.3786,
0.2937

■ 40.2319, 0.3571,
0.3027

■ 48.5186, 0.3393,
0.3118

■ 58.2210, 0.3246,
0.3207

Harmonies

Analogous

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



15.2328, 0.4317, 0.2160



15.2328, 0.5656, 0.2889



15.2328, 0.5914, 0.3687

Triad

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



15.2328, 0.5656, 0.2889



15.2328, 0.2847, 0.6186



15.2328, 0.1109, 0.1394

Complementary

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



15.2328, 0.5656, 0.2889



51.6500, 0.2567, 0.4441

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.



15.2328, 0.0924, 0.1833



15.2328, 0.5656, 0.2889



15.2328, 0.1734, 0.4913

Square

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



15.2328, 0.5656, 0.2889



15.2328, 0.4097, 0.5732



15.2328, 0.1085, 0.2962



15.2328, 0.1665, 0.1351

Rectangle

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



15.2328, 0.5656, 0.2889



15.2328, 0.5534, 0.4308



15.2328, 0.1085, 0.2962



15.2328, 0.1011, 0.1487

Sweetspot

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



15.2357, 0.5656, 0.2889



57.6709, 0.3576, 0.3025



10.6790, 0.2336, 0.1061



11.3888, 0.3664, 0.2986



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.



15.2357, 0.5656, 0.2889



21.9283, 0.5679, 0.2902



15.8178, 0.6271, 0.3403



13.1234, 0.3239, 0.3212



9.2387, 0.5618, 0.2868



0.6143, 0.5158, 0.2615

Inverse Universe

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



15.2357, 0.5656, 0.2889



21.9283, 0.5679, 0.2902



39.4859, 0.2112, 0.2801



13.1234, 0.3239, 0.3212



9.2387, 0.5618, 0.2868



0.6143, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 15.2328, 0.5656, 0.2889 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 15.2328, 0.5656, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

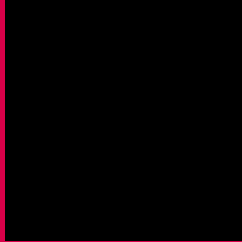
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2328, 0.5656, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 15.2328, 0.5656, 0.2889.



This preview shows how white text looks on a background with the Yxy color 15.2328, 0.5656, 0.2889.

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

15.2328, 0.5656, 0.2889

Protanopia

15.7908, 0.3219, 0.3351

Deuteranopia

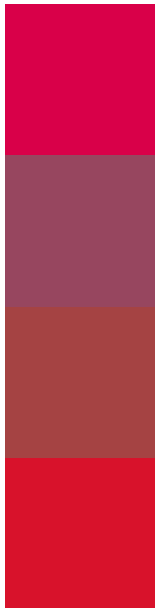
15.8178, 0.4138, 0.4080



Tritanopia

15.5522, 0.6165, 0.3312

Trichromacy



Original Color

15.2328, 0.5656, 0.2889

Protanomaly

11.7859, 0.4150, 0.2874

Deuteranomaly

12.4189, 0.4919, 0.3295

Tritanomaly

15.2060, 0.6052, 0.3176

Monochromacy



Original Color

15.2328, 0.5656, 0.2889

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.7950, 0.4344, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2328, 0.5656, 0.2889 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(217, 0, 73)` looks like.

```
.text, #text, p{  
  color:rgb(217, 0, 73)  
}
```

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(217, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 73) }
```

Border

The CSS property to change the border of an element to Yxy 15.2328, 0.5656, 0.2889 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(217, 0, 73) }
```

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

```
.border{ border-color:rgb(217, 0, 73) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2328, 0.5656, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 73) }
```

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

```
.background{ background-color: rgb(217, 0,  
73) }
```

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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