

Converting Colors

$Y_{xy}(16.0750, 0.5578, 0.2846)$

Have a look what the booklet for
Yxy(16.0750, 0.5578, 0.2846)
contains.

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Color

Yxy(16.0941, 0.5584, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	DE004F
RGB	222, 0, 79
RGB Percent	87%, 0%, 31%
CMY	0.1295, 0.9995, 0.6902
CMYK	0.00, 1.00, 0.64, 0.13
HSL	339°, 100%, 44%
HSV	339°, 100%, 87%
XYZ	31.5331, 16.0941, 8.8433
YIQ	75.3840, 106.9530, 71.6330

Conversions

Conversions Part 2

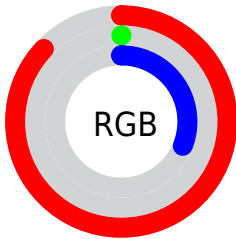
Format	Color
RYB	222, 0, 79
Decimal	14549071
CIELab	47.10, 74.16, 22.18
CIELCh	47, 77.407, 16.648
Yxy	16.0941, 0.5584, 0.2850
Android (android.graphics.Color)	4292739151 (0xFFDE004F)
YUV	75.3840, 1.7827, 128.5822
Hunter-Lab	40.1175, 70.0991, 15.0126

Details

The Yxy color **16.0941, 0.5584, 0.2850** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **54.2234, 0.2587, 0.4512**, and the grayscale version is **7.1049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3007, 0.4751, 0.2945**, and **7.4983, 0.5975, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **16.0912, 0.5586, 0.2851**, and if you desaturate by 10%, it is **16.9100, 0.5286, 0.2759**.

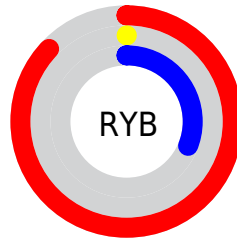
Distribution



Red (87%)

Green (0%)

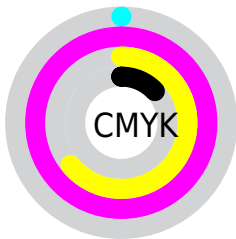
Blue (31%)



Red (87%)

Yellow (0%)

Blue (31%)

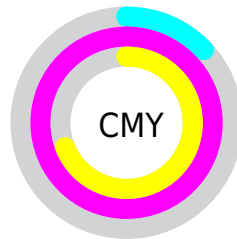


Cyan (0%)

Magenta (100%)

Yellow (64%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0941, 0.5584, 0.2850 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 16.0941, 0.5584, 0.2850 by changing the saturation by 10% instead.


 16.0941, 0.5584,
0.2850

 16.0941, 0.5584,
0.2850


229.8963, 0.4160,
0.3180


 9.5908, 0.5995,
0.2717


 36.7615, 0.5021,
0.3004


 5.1285, 0.6543,
0.2513

 51.6943, 0.4823,
0.3051

 2.3228, 0.7323,
0.2195

 70.2058, 0.4661,
0.3086

 0.7858, 0.8353,
0.1647

 92.6803, 0.4526,
0.3114

 0.0000, 1.0000,
0.0000

 119.5022, 0.4413,
0.3136

 0.0000, 0.0000,
0.0000

 151.0559, 0.4316,

0.3153

187.7258, 0.4232,
0.3168

■ 16.0941, 0.5584,
0.2850

■ 16.0941, 0.5584,
0.2850

■ 16.0912, 0.5586,
0.2851

■ 16.9100, 0.5286,
0.2759

■ 18.4430, 0.4957,
0.2711

■ 20.9125, 0.4621,
0.2713

■ 24.4437, 0.4302,
0.2756

■ 29.1424, 0.4015,
0.2828

■ 35.1014, 0.3767,
0.2917

■ 42.4041, 0.3558,
0.3013

■ 51.1268, 0.3385,
0.3109

■ 61.3398, 0.3243,
0.3202

Harmonies

Analogous

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



16.0941, 0.4213, 0.2129



16.0941, 0.5584, 0.2850



16.0941, 0.5913, 0.3642

Triad

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



16.0941, 0.5584, 0.2850



16.0941, 0.2927, 0.6174



16.0941, 0.1099, 0.1418

Complementary

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



16.0941, 0.5584, 0.2850



54.2234, 0.2587, 0.4512

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.



16.0941, 0.0934, 0.1887



16.0941, 0.5584, 0.2850



16.0941, 0.1801, 0.5013

Square

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



16.0941, 0.5584, 0.2850



16.0941, 0.4168, 0.5659



16.0941, 0.1120, 0.3062



16.0941, 0.1629, 0.1355

Rectangle

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



16.0941, 0.5584, 0.2850



16.0941, 0.5565, 0.4248



16.0941, 0.1120, 0.3062



16.0941, 0.1008, 0.1519

Sweetspot

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



16.0951, 0.5584, 0.2850



57.7418, 0.3563, 0.3010



10.9072, 0.2297, 0.1039



11.4053, 0.3648, 0.2969



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.



16.0951, 0.5584, 0.2850



22.0096, 0.5605, 0.2861



16.4418, 0.6294, 0.3384



13.7806, 0.3236, 0.3207



9.5782, 0.5547, 0.2829



0.6806, 0.5119, 0.2594

Inverse Universe

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



16.0951, 0.5584, 0.2850



22.0096, 0.5605, 0.2861



43.1522, 0.2127, 0.2858



13.7806, 0.3236, 0.3207



9.5782, 0.5547, 0.2829



0.6806, 0.5119, 0.2594

Previews

White Background



This preview shows how the Yxy color 16.0941, 0.5584, 0.2850 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 16.0941, 0.5584, 0.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

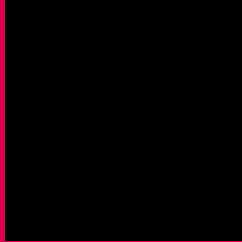
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.0941, 0.5584, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 16.0941, 0.5584, 0.2850.



This preview shows how white text looks on a background with the Yxy color 16.0941, 0.5584, 0.2850.

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

16.0941, 0.5584, 0.2850

Protanopia

16.7160, 0.3117, 0.3231

Deuteranopia

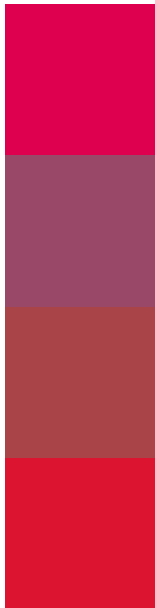
16.7702, 0.4076, 0.4015



Tritanopia

16.3374, 0.6135, 0.3313

Trichromacy



Original Color

16.0941, 0.5584, 0.2850

Protanomaly

12.4840, 0.4033, 0.2783

Deuteranomaly

13.1723, 0.4842, 0.3239

Tritanomaly

16.0777, 0.6015, 0.3162

Monochromacy



Original Color

16.0941, 0.5584, 0.2850

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.2249, 0.4311, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0941, 0.5584, 0.2850 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(222, 0, 79)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 79)  
}
```

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(222, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 79) }
```

Border

The CSS property to change the border of an element to Yxy 16.0941, 0.5584, 0.2850 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(222, 0, 79) }
```

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

```
.border{ border-color:rgb(222, 0, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0941, 0.5584, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 79) }
```

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

```
.background{ background-color: rgb(222, 0,  
79) }
```

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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