

Converting Colors

$Yxy(7.1279, 0.6284, 0.1576)$

Have a look what the booklet for
Yxy(7.1279, 0.6284, 0.1576)
contains.

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Color

Yxy(16.9241, 0.5399, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	E2005B
RGB	226, 0, 91
RGB Percent	89%, 0%, 36%
CMY	0.1138, 0.9996, 0.6431
CMYK	0.00, 1.00, 0.60, 0.11
HSL	336°, 100%, 44%
HSV	336°, 100%, 89%
XYZ	33.2508, 16.9241, 11.4121
YIQ	77.9480, 105.4850, 76.2130

Conversions

Conversions Part 2

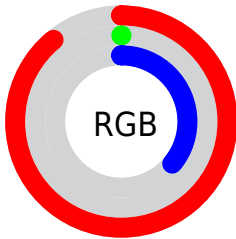
Format	Color
R_{YB}	226, 0, 91
Decimal	14811227
CIE Lab	48.16, 75.74, 16.33
CIE LCh	48, 77.480, 12.168
Yxy	16.9241, 0.5399, 0.2748
Android (android.graphics.Color)	4293001307 (0xFFE2005B)
YUV	77.9480, 6.4346, 129.8416
Hunter-Lab	41.1389, 72.2808, 12.3500

Details

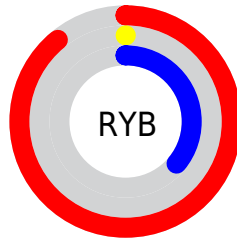
The Yxy color **16.9241, 0.5399, 0.2748** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **56.1412, 0.2635, 0.4684**, and the grayscale version is **7.5925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8374, 0.4566, 0.2823**, and **7.9838, 0.5802, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **16.9218, 0.5400, 0.2749**, and if you desaturate by 10%, it is **17.7784, 0.5116, 0.2660**.

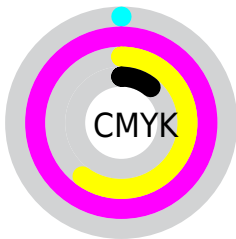
Distribution



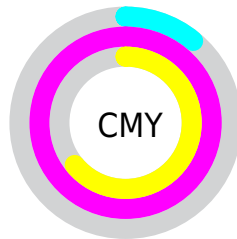
- Red (89%)
- Green (0%)
- Blue (36%)



- Red (89%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9241, 0.5399, 0.2748 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 16.9241, 0.5399, 0.2748 by changing the saturation by 10% instead.


 16.9241, 0.5399,
0.2748

 16.9241, 0.5399,
0.2748


234.7346, 0.4088,
0.3111


 10.1804, 0.5781,
0.2618


 38.1952, 0.4880,
0.2907


 5.5187, 0.6295,
0.2425

 53.4914, 0.4698,
0.2958

 2.5547, 0.7005,
0.2122

 72.4073, 0.4549,
0.2998


 0.9040, 0.8304,
0.1696

 95.3271, 0.4425,
0.3030

 0.0000, 1.0000,
0.0000

 122.6354, 0.4321,
0.3056

 0.0000, 0.0000,
0.0000

 154.7165, 0.4232,

0.3078

191.9547, 0.4155,
0.3096

■ 16.9241, 0.5399,
0.2748

■ 16.9241, 0.5399,
0.2748

■ 16.9218, 0.5400,
0.2749

■ 17.7784, 0.5116,
0.2660

■ 19.3757, 0.4811,
0.2620

■ 21.9425, 0.4502,
0.2631

■ 25.6095, 0.4211,
0.2684

■ 30.4868, 0.3948,
0.2767

■ 36.6708, 0.3721,
0.2868

■ 44.2485, 0.3528,
0.2976

■ 53.2989, 0.3368,
0.3085

■ 63.8953, 0.3235,
0.3191

Harmonies

Analogous

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



16.9241, 0.3957, 0.2048



16.9241, 0.5399, 0.2748



16.9241, 0.5903, 0.3526

Triad

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



16.9241, 0.5399, 0.2748



16.9241, 0.3121, 0.6136



16.9241, 0.1073, 0.1478

Complementary

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



16.9241, 0.5399, 0.2748



56.1412, 0.2635, 0.4684

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.



16.9241, 0.0959, 0.2027



16.9241, 0.5399, 0.2748



16.9241, 0.1970, 0.5256

Square

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



16.9241, 0.5399, 0.2748



16.9241, 0.4346, 0.5488



16.9241, 0.1209, 0.3323



16.9241, 0.1539, 0.1363

Rectangle

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



16.9241, 0.5399, 0.2748



16.9241, 0.5645, 0.4108



16.9241, 0.1209, 0.3323



16.9241, 0.0999, 0.1601

Sweetspot

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



16.9251, 0.5399, 0.2748



57.9177, 0.3532, 0.2973



10.3880, 0.2184, 0.0977



11.4464, 0.3610, 0.2927



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.



16.9251, 0.5399, 0.2748



22.2315, 0.5417, 0.2758



16.6310, 0.6348, 0.3341



13.7915, 0.3229, 0.3196



9.6767, 0.5360, 0.2726



0.6881, 0.4953, 0.2502

Inverse Universe

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



16.9251, 0.5399, 0.2748



22.2315, 0.5417, 0.2758



50.1985, 0.2173, 0.3024



13.7915, 0.3229, 0.3196



9.6767, 0.5360, 0.2726



0.6881, 0.4953, 0.2502

Previews

White Background



This preview shows how the Yxy color 16.9241, 0.5399, 0.2748 looks on a white background.

Color Contrast Check

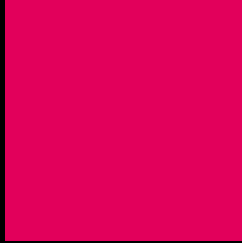
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9241, 0.5399, 0.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

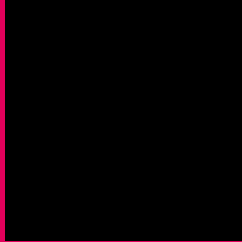
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9241, 0.5399, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 16.9241, 0.5399, 0.2748.

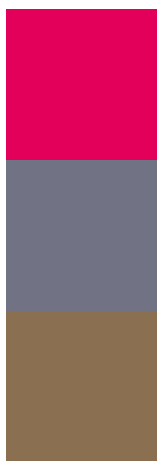


This preview shows how white text looks on a background with the Yxy color 16.9241, 0.5399, 0.2748.

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

16.9241, 0.5399, 0.2748

Protanopia

17.4656, 0.2896, 0.2945

Deuteranopia

17.3662, 0.3903, 0.3840



Tritanopia

17.2245, 0.6082, 0.3309

Trichromacy



Original Color

16.9241, 0.5399, 0.2748



Protanomaly

12.9431, 0.3754, 0.2560



Deuteranomaly

13.7084, 0.4617, 0.3092



Tritanomaly

16.8962, 0.5920, 0.3121

Monochromacy



Original Color

16.9241, 0.5399, 0.2748



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.8113, 0.4202, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9241, 0.5399, 0.2748 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(226, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 91)  
}
```

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(226, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.9241, 0.5399, 0.2748 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(226, 0, 91) }
```

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

```
.border{ border-color:rgb(226, 0, 91) }
```

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

Here you see how a box with a 4 pixel rgb(226, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(226, 0, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9241, 0.5399, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 91) }
```

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

```
.background{ background-color: rgb(226, 0,  
91) }
```

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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