

Converting Colors

$Yxy(16.6285, 0.5427, 0.2763)$

Have a look what the booklet for
Yxy(16.6285, 0.5427, 0.2763)
contains.

Yxy(16.5686, 0.5420, 0.2759)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5686, 0.5420, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	E00059
RGB	224, 0, 89
RGB Percent	88%, 0%, 35%
CMY	0.1215, 1.0000, 0.6509
CMYK	0.00, 1.00, 0.60, 0.12
HSL	336°, 100%, 44%
HSV	336°, 100%, 88%
XYZ	32.5487, 16.5686, 10.9356
YIQ	77.1220, 104.9350, 75.1670

Conversions

Conversions Part 2

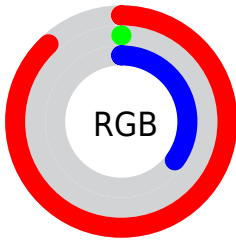
Format	Color
R_{YB}	224, 0, 89
Decimal	14680153
CIE _{Lab}	47.71, 75.19, 16.88
CIE _{LCh}	48, 77.064, 12.654
Yxy	16.5686, 0.5420, 0.2759
Android (android.graphics.Color)	4292870233 (0xFFE00059)
YUV	77.1220, 5.8559, 128.8120
Hunter-Lab	40.7045, 71.5015, 12.5644

Details

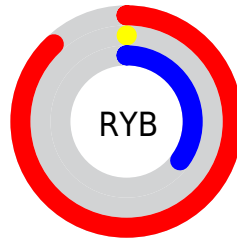
The Yxy color **16.5686, 0.5420, 0.2759** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **55.0717, 0.2629, 0.4666**, and the grayscale version is **7.4208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7784, 0.4594, 0.2843**, and **7.7589, 0.5829, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **16.5719, 0.5420, 0.2759**, and if you desaturate by 10%, it is **17.4093, 0.5135, 0.2671**.

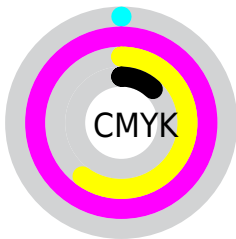
Distribution



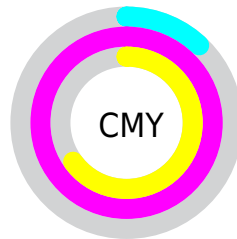
- Red (88%)
- Green (0%)
- Blue (35%)



- Red (88%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5686, 0.5420, 0.2759 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 16.5686, 0.5420, 0.2759 by changing the saturation by 10% instead.


 16.5686, 0.5420,
0.2759


 16.5686, 0.5420,
0.2759


232.6739, 0.4093,
0.3119


 9.9274, 0.5808,
0.2628


 37.5825, 0.4894,
0.2918


 5.3508, 0.6331,
0.2432

 52.7241, 0.4709,
0.2969

 2.4546, 0.7051,
0.2123

 71.4678, 0.4559,
0.3008

 0.8537, 0.8326,
0.1674

 94.1982, 0.4434,
0.3040

 0.0000, 1.0000,
0.0000

 121.2996, 0.4328,
0.3065

 0.0000, 0.0000,
0.0000

 153.1565, 0.4238,

0.3087

190.1531, 0.4161,
0.3104

■ 16.5686, 0.5420,
0.2759

■ 16.5686, 0.5420,
0.2759

■ 16.5719, 0.5420,
0.2759

■ 17.4093, 0.5135,
0.2671

■ 18.9736, 0.4827,
0.2629

■ 21.4880, 0.4516,
0.2640

■ 25.0804, 0.4221,
0.2692

■ 29.8588, 0.3956,
0.2774

■ 35.9177, 0.3726,
0.2873

■ 43.3420, 0.3532,
0.2980

■ 52.2094, 0.3370,
0.3087

■ 62.5916, 0.3237,
0.3192

Harmonies

Analogous

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



16.5686, 0.3984, 0.2057



16.5686, 0.5420, 0.2759



16.5686, 0.5905, 0.3539

Triad

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



16.5686, 0.5420, 0.2759



16.5686, 0.3100, 0.6141



16.5686, 0.1076, 0.1471

Complementary

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



16.5686, 0.5420, 0.2759



55.0717, 0.2629, 0.4666

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.



16.5686, 0.0956, 0.2011



16.5686, 0.5420, 0.2759



16.5686, 0.1951, 0.5231

Square

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



16.5686, 0.5420, 0.2759



16.5686, 0.4328, 0.5508



16.5686, 0.1199, 0.3294



16.5686, 0.1548, 0.1362

Rectangle

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



16.5686, 0.5420, 0.2759



16.5686, 0.5637, 0.4122



16.5686, 0.1199, 0.3294



16.5686, 0.1000, 0.1591

Sweetspot

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



16.5719, 0.5420, 0.2759



57.8984, 0.3536, 0.2977



10.4852, 0.2221, 0.0997



11.4419, 0.3614, 0.2932



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.



16.5719, 0.5420, 0.2759



22.2058, 0.5438, 0.2769



16.4398, 0.6333, 0.3354



13.7903, 0.3230, 0.3197



9.6653, 0.5381, 0.2738



0.6873, 0.4971, 0.2512

Inverse Universe

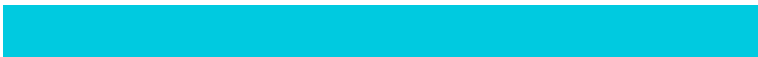
The Inverse Universe completely reimagines the original color for something new.



16.5719, 0.5420, 0.2759



22.2058, 0.5438, 0.2769



47.4449, 0.2158, 0.2969



13.7903, 0.3230, 0.3197



9.6653, 0.5381, 0.2738



0.6873, 0.4971, 0.2512

Previews

White Background



This preview shows how the Yxy color 16.5686, 0.5420, 0.2759 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 16.5686, 0.5420, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

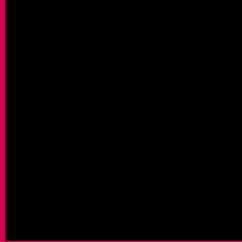
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5686, 0.5420, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 16.5686, 0.5420, 0.2759.

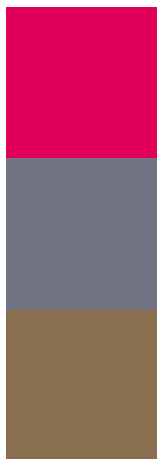


This preview shows how white text looks on a background with the Yxy color 16.5686, 0.5420, 0.2759.

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

16.5686, 0.5420, 0.2759

Protanopia

17.1570, 0.2929, 0.2981

Deuteranopia

17.0347, 0.3923, 0.3862



Tritanopia

16.9068, 0.6076, 0.3309

Trichromacy



Original Color

16.5686, 0.5420, 0.2759



Protanomaly

12.7752, 0.3792, 0.2602



Deuteranomaly

13.4399, 0.4648, 0.3106



Tritanomaly

16.5671, 0.5925, 0.3126

Monochromacy



Original Color

16.5686, 0.5420, 0.2759



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.5365, 0.4219, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5686, 0.5420, 0.2759 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(224, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 89)  
}
```

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(224, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 89) }
```

Border

The CSS property to change the border of an element to Yxy 16.5686, 0.5420, 0.2759 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(224, 0, 89) }
```

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

```
.border{ border-color:rgb(224, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5686, 0.5420, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 89) }
```

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

```
.background{ background-color: rgb(224, 0,  
89) }
```

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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