

Converting Colors

$Y_{xy}(14.2175, 0.5537, 0.2530)$

Have a look what the booklet for
Yxy(14.2175, 0.5537, 0.2530)
contains.

Yxy(16.4262, 0.5393, 0.2745)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4262, 0.5393, 0.2745)

Conversions

Conversions Part 1

Format	Color
Hex	DF005A
RGB	223, 0, 90
RGB Percent	87%, 0%, 35%
CMY	0.1256, 0.9992, 0.6471
CMYK	0.00, 1.00, 0.60, 0.13
HSL	336°, 100%, 44%
HSV	336°, 100%, 87%
XYZ	32.2719, 16.4262, 11.1423
YIQ	76.9370, 104.0180, 75.2660

Conversions

Conversions Part 2

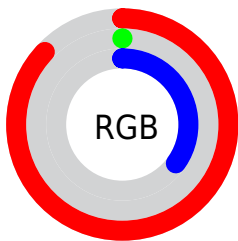
Format	Color
R_{YB}	223, 0, 90
Decimal	14614618
CIE _{Lab}	47.53, 74.99, 15.98
CIE _{LCh}	48, 76.672, 12.033
Yxy	16.4262, 0.5393, 0.2745
Android (android.graphics.Color)	4292804698 (0xFFDF005A)
YUV	76.9370, 6.4401, 128.0973
Hunter-Lab	40.5292, 71.2068, 12.0705

Details

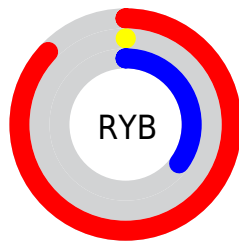
The Yxy color **16.4262, 0.5393, 0.2745** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **54.4636, 0.2635, 0.4685**, and the grayscale version is **7.4052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6356, 0.4584, 0.2825**, and **7.6630, 0.5801, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **16.4205, 0.5396, 0.2746**, and if you desaturate by 10%, it is **17.2634, 0.5110, 0.2658**.

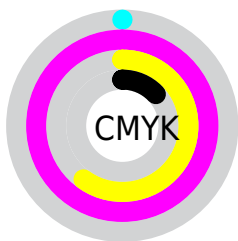
Distribution



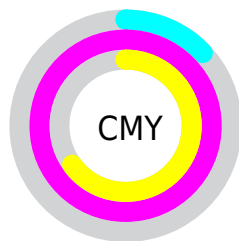
- Red (87%)
- Green (0%)
- Blue (35%)



- Red (87%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4262, 0.5393, 0.2745 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 16.4262, 0.5393, 0.2745 by changing the saturation by 10% instead.


 16.4262, 0.5393,
0.2745


 16.4262, 0.5393,
0.2745

231.8437, 0.4080,
0.3111


 9.8262, 0.5778,
0.2613


 37.3365, 0.4872,
0.2906

 5.2839, 0.6300,
0.2417

 52.4157, 0.4689,
0.2957


 2.4148, 0.7022,
0.2108

 71.0901, 0.4540,
0.2997

 0.8335, 0.8336,
0.1664

 93.7440, 0.4416,
0.3029

 0.0000, 1.0000,
0.0000

 120.7620, 0.4312,
0.3055

 0.0000, 0.0000,
0.0000

 152.5283, 0.4223,

0.3077

189.4274, 0.4147,
0.3095

■ 16.4262, 0.5393,
0.2745

■ 16.4262, 0.5393,
0.2745

■ 16.4205, 0.5396,
0.2746

■ 17.2634, 0.5110,
0.2658

■ 18.8219, 0.4805,
0.2618

■ 21.3210, 0.4498,
0.2630

■ 24.8867, 0.4207,
0.2684

■ 29.6256, 0.3945,
0.2767

■ 35.6309, 0.3718,
0.2868

■ 42.9865, 0.3526,
0.2976

■ 51.7691, 0.3366,
0.3086

■ 62.0495, 0.3235,
0.3191

Harmonies

Analogous

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



16.4262, 0.3949, 0.2046



16.4262, 0.5393, 0.2745



16.4262, 0.5902, 0.3523

Triad

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



16.4262, 0.5393, 0.2745



16.4262, 0.3127, 0.6134



16.4262, 0.1073, 0.1480

Complementary

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



16.4262, 0.5393, 0.2745



54.4636, 0.2635, 0.4685

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.



16.4262, 0.0960, 0.2032



16.4262, 0.5393, 0.2745



16.4262, 0.1975, 0.5263

Square

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



16.4262, 0.5393, 0.2745



16.4262, 0.4353, 0.5485



16.4262, 0.1212, 0.3331



16.4262, 0.1537, 0.1364

Rectangle

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



16.4262, 0.5393, 0.2745



16.4262, 0.5648, 0.4104



16.4262, 0.1212, 0.3331



16.4262, 0.0999, 0.1603

Sweetspot

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



16.4272, 0.5393, 0.2745



57.9202, 0.3532, 0.2973



10.0894, 0.2185, 0.0978



11.4470, 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.



16.4272, 0.5393, 0.2745



22.2349, 0.5414, 0.2756



16.1431, 0.6346, 0.3342



13.7916, 0.3229, 0.3196



9.6782, 0.5357, 0.2725



0.6882, 0.4951, 0.2501

Inverse Universe

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



16.4272, 0.5393, 0.2745



22.2349, 0.5414, 0.2756



48.7107, 0.2174, 0.3024



13.7916, 0.3229, 0.3196



9.6782, 0.5357, 0.2725



0.6882, 0.4951, 0.2501

Previews

White Background



This preview shows how the Yxy color 16.4262, 0.5393, 0.2745 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 16.4262, 0.5393, 0.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

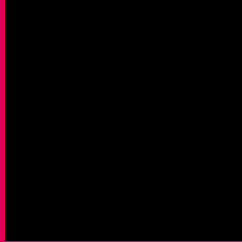
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4262, 0.5393, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 16.4262, 0.5393, 0.2745.

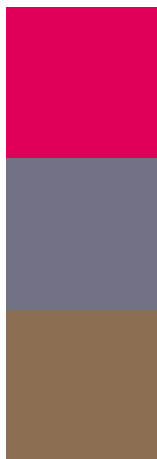


This preview shows how white text looks on a background with the Yxy color 16.4262, 0.5393, 0.2745.

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

16.4262, 0.5393, 0.2745

Protanopia

17.1181, 0.2906, 0.2961

Deuteranopia

17.0643, 0.3896, 0.3826



Tritanopia

16.7494, 0.6073, 0.3309

Trichromacy



Original Color

16.4262, 0.5393, 0.2745



Protanomaly

12.7014, 0.3758, 0.2582



Deuteranomaly

13.3452, 0.4616, 0.3089



Tritanomaly

16.4087, 0.5920, 0.3124

Monochromacy



Original Color

16.4262, 0.5393, 0.2745



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.5516, 0.4195, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4262, 0.5393, 0.2745 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(223, 0, 90)` looks like.

```
.text, #text, p{  
  color:rgb(223, 0, 90)  
}
```

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(223, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 90) }
```

Border

The CSS property to change the border of an element to Yxy 16.4262, 0.5393, 0.2745 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(223, 0, 90) }
```

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

```
.border{ border-color:rgb(223, 0, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 0, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.4262, 0.5393, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 90) }
```

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

```
.background{ background-color: rgb(223, 0,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor