

Converting Colors

$Yxy(14.3306, 0.5200, 0.2232)$

Have a look what the booklet for
Yxy(14.3306, 0.5200, 0.2232)
contains.

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Color

Yxy(17.6862, 0.5007, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	E40071
RGB	228, 0, 113
RGB Percent	89%, 0%, 44%
CMY	0.1059, 0.9997, 0.5569
CMYK	0.00, 1.00, 0.50, 0.11
HSL	330°, 100%, 45%
HSV	330°, 100%, 89%
XYZ	34.9743, 17.6862, 17.1903
YIQ	81.0540, 99.6150, 83.4790

Conversions

Conversions Part 2

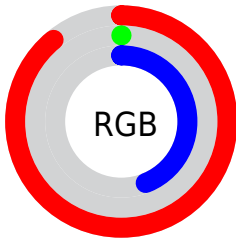
Format	Color
R_{YB}	228, 0, 113
Decimal	14942321
CIE Lab	49.11, 77.63, 4.17
CIE LCh	49, 77.746, 3.074
Yxy	17.6862, 0.5007, 0.2532
Android (android.graphics.Color)	4293132401 (0xFFE40071)
YUV	81.0540, 15.7494, 128.8716
Hunter-Lab	42.0550, 74.8501, 5.2033

Details

The Yxy color **17.6862, 0.5007, 0.2532** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **56.7252, 0.2726, 0.5014**, and the grayscale version is **8.2031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7690, 0.4245, 0.2601**, and **8.5003, 0.5369, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **17.6844, 0.5008, 0.2532**, and if you desaturate by 10%, it is **18.5694, 0.4766, 0.2461**.

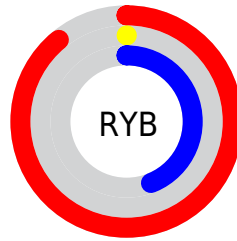
Distribution



Red (89%)

Green (0%)

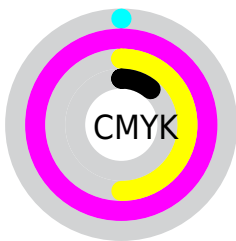
Blue (44%)



Red (89%)

Yellow (0%)

Blue (44%)

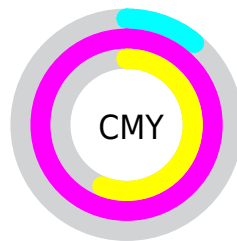


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6862, 0.5007, 0.2532 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 17.6862, 0.5007, 0.2532 by changing the saturation by 10% instead.


 17.6862, 0.5007,
0.2532


 17.6862, 0.5007,
0.2532


239.0963, 0.3933,
0.2976


 10.7249, 0.5322,
0.2397


 39.5019, 0.4582,
0.2711


 5.8822, 0.5752,
0.2209

 55.1251, 0.4433,
0.2772


 2.7736, 0.6366,
0.1934

 74.4044, 0.4312,
0.2823

 1.0147, 0.7283,
0.1513

 97.7242, 0.4210,
0.2864

 0.0000, 1.0000,
0.0000

 125.4689, 0.4125,
0.2899

 0.0000, 0.0000,
0.0000

 158.0229, 0.4051,

0.2928

195.7706, 0.3988,
0.2954

■ 17.6862, 0.5007,
0.2532

■ 17.6862, 0.5007,
0.2532

■ 17.6844, 0.5008,
0.2532

■ 18.5694, 0.4766,
0.2461

■ 20.2004, 0.4516,
0.2439

■ 22.8090, 0.4266,
0.2470

■ 26.5278, 0.4030,
0.2544

■ 31.4688, 0.3816,
0.2650

■ 37.7299, 0.3629,
0.2773

■ 45.3991, 0.3468,
0.2905

■ 54.5567, 0.3333,
0.3038

■ 65.2770, 0.3220,
0.3168

Harmonies

Analogous

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



17.6862, 0.3470, 0.1883



17.6862, 0.5007, 0.2532



17.6862, 0.5848, 0.3289

Triad

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



17.6862, 0.5007, 0.2532



17.6862, 0.3498, 0.6018



17.6862, 0.1018, 0.1602

Complementary

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



17.6862, 0.5007, 0.2532



56.7252, 0.2726, 0.5014

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.



17.6862, 0.1006, 0.2337



17.6862, 0.5007, 0.2532



17.6862, 0.2309, 0.5688

Square

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



17.6862, 0.5007, 0.2532



17.6862, 0.4692, 0.5164



17.6862, 0.1398, 0.3884



17.6862, 0.1368, 0.1377

Rectangle

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



17.6862, 0.5007, 0.2532



17.6862, 0.5790, 0.3838



17.6862, 0.1398, 0.3884



17.6862, 0.0977, 0.1775

Sweetspot

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



17.6873, 0.5007, 0.2532



58.2786, 0.3472, 0.2902



9.1833, 0.2011, 0.0881



11.5313, 0.3537, 0.2846



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.



17.6873, 0.5007, 0.2532



22.7747, 0.5021, 0.2540



16.4954, 0.6400, 0.3300



14.4865, 0.3215, 0.3174



10.2359, 0.4974, 0.2513



0.7751, 0.4647, 0.2334

Inverse Universe

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



17.6873, 0.5007, 0.2532



22.7747, 0.5021, 0.2540



61.0865, 0.2247, 0.3287



14.4865, 0.3215, 0.3174



10.2359, 0.4974, 0.2513



0.7751, 0.4647, 0.2334

Previews

White Background



This preview shows how the Yxy color 17.6862, 0.5007, 0.2532 looks on a white background.

Color Contrast Check

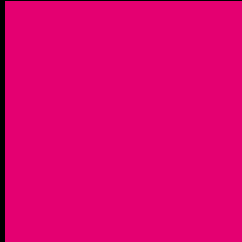
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6862, 0.5007, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

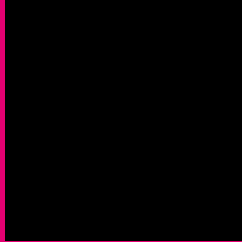
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6862, 0.5007, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 17.6862, 0.5007, 0.2532.

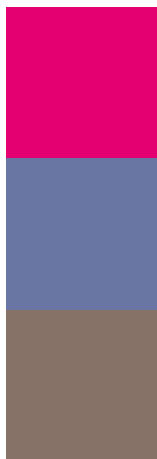


This preview shows how white text looks on a background with the Yxy color 17.6862, 0.5007, 0.2532.

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

17.6862, 0.5007, 0.2532

Protanopia

18.3702, 0.2527, 0.2470

Deuteranopia

18.1648, 0.3550, 0.3494



Tritanopia

18.0738, 0.5924, 0.3298

Trichromacy



Original Color

17.6862, 0.5007, 0.2532



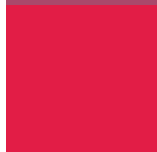
Protanomaly

13.4259, 0.3254, 0.2170



Deuteranomaly

14.2616, 0.4180, 0.2786



Tritanomaly

17.4897, 0.5690, 0.3024

Monochromacy



Original Color

17.6862, 0.5007, 0.2532



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.3146, 0.3996, 0.2549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6862, 0.5007, 0.2532 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(228, 0, 113)` looks like.

```
.text, #text, p{  
  color:rgb(228, 0, 113)  
}
```

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(228, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 113) }
```

Border

The CSS property to change the border of an element to Yxy 17.6862, 0.5007, 0.2532 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(228, 0, 113) }
```

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

```
.border{ border-color:rgb(228, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(228, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6862, 0.5007, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 113) }
```

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

```
.background{ background-color: rgb(228, 0,  
113) }
```

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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