

Converting Colors

$Y_{xy}(17.0040, 0.5057, 0.2560)$

Have a look what the booklet for
Yxy(17.0040, 0.5057, 0.2560)
contains.

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Color

Yxy(16.9300, 0.5062, 0.2562)

Conversions

Conversions Part 1

Format	Color
Hex	E0006C
RGB	224, 0, 108
RGB Percent	88%, 0%, 42%
CMY	0.1215, 1.0000, 0.5763
CMYK	0.00, 1.00, 0.52, 0.12
HSL	331°, 100%, 44%
HSV	331°, 100%, 88%
XYZ	33.4503, 16.9300, 15.7009
YIQ	79.2880, 98.8360, 81.0760

Conversions

Conversions Part 2

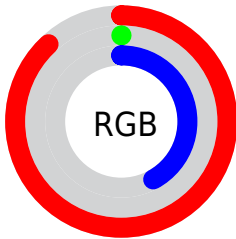
Format	Color
R_{YB}	224, 0, 108
Decimal	14680172
CIE Lab	48.17, 76.41, 5.76
CIE LCh	48, 76.628, 4.313
Yxy	16.9300, 0.5062, 0.2562
Android (android.graphics.Color)	4292870252 (0xFFE0006C)
YUV	79.2880, 14.1550, 126.9124
Hunter-Lab	41.1461, 73.1085, 6.1778

Details

The Yxy color **16.9300, 0.5062, 0.2562** 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 **54.5755, 0.2713, 0.4968**, and the grayscale version is **7.8360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4175, 0.4317, 0.2642**, and **8.0183, 0.5448, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **16.9318, 0.5062, 0.2562**, and if you desaturate by 10%, it is **17.7848, 0.4815, 0.2489**.

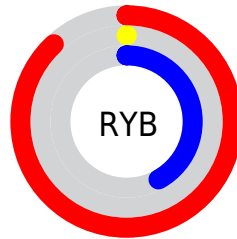
Distribution



Red (88%)

Green (0%)

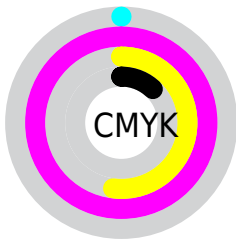
Blue (42%)



Red (88%)

Yellow (0%)

Blue (42%)

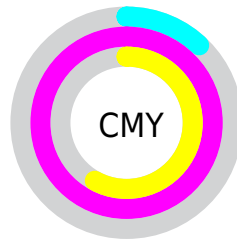


Cyan (0%)

Magenta (100%)

Yellow (52%)

Black (12%)



Cyan (12%)


Magenta (100%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9300, 0.5062, 0.2562 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 16.9300, 0.5062, 0.2562 by changing the saturation by 10% instead.


 16.9300, 0.5062,
0.2562


 16.9300, 0.5062,
0.2562


234.7687, 0.3948,
0.2997


 10.1846, 0.5392,
0.2426


 38.2054, 0.4619,
0.2739


 5.5215, 0.5844,
0.2234

 53.5041, 0.4465,
0.2800

 2.5564, 0.6492,
0.1950

 72.4228, 0.4339,
0.2849

 0.9048, 0.7508,
0.1517

 95.3458, 0.4234,
0.2889

 0.0000, 1.0000,
0.0000

 122.6575, 0.4145,
0.2923

 0.0000, 0.0000,
0.0000

 154.7423, 0.4070,

0.2951

191.9845, 0.4005,
0.2975

■ 16.9300, 0.5062,
0.2562

■ 16.9300, 0.5062,
0.2562

■ 16.9318, 0.5062,
0.2562

■ 17.7848, 0.4815,
0.2489

■ 19.3549, 0.4556,
0.2464

■ 21.8647, 0.4298,
0.2493

■ 25.4411, 0.4055,
0.2564

■ 30.1914, 0.3835,
0.2666

■ 36.2096, 0.3642,
0.2787

■ 43.5799, 0.3477,
0.2915

■ 52.3794, 0.3338,
0.3045

■ 62.6792, 0.3223,
0.3171

Harmonies

Analogous

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



16.9300, 0.3534, 0.1905



16.9300, 0.5062, 0.2562



16.9300, 0.5859, 0.3322

Triad

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



16.9300, 0.5062, 0.2562



16.9300, 0.3448, 0.6037



16.9300, 0.1026, 0.1584

Complementary

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



16.9300, 0.5062, 0.2562



54.5755, 0.2713, 0.4968

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.



16.9300, 0.0999, 0.2292



16.9300, 0.5062, 0.2562



16.9300, 0.2263, 0.5635

Square

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



16.9300, 0.5062, 0.2562



16.9300, 0.4648, 0.5209



16.9300, 0.1371, 0.3805



16.9300, 0.1390, 0.1375

Rectangle

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



16.9300, 0.5062, 0.2562



16.9300, 0.5772, 0.3875



16.9300, 0.1371, 0.3805



16.9300, 0.0980, 0.1750

Sweetspot

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



16.9318, 0.5062, 0.2562



58.2267, 0.3480, 0.2912



9.0772, 0.2044, 0.0900



11.5191, 0.3547, 0.2857



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.



16.9318, 0.5062, 0.2562



22.6895, 0.5078, 0.2571



15.9295, 0.6391, 0.3307



13.8101, 0.3217, 0.3177



9.8779, 0.5027, 0.2543



0.7027, 0.4673, 0.2348

Inverse Universe

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



16.9318, 0.5062, 0.2562



22.6895, 0.5078, 0.2571



56.7124, 0.2232, 0.3236



13.8101, 0.3217, 0.3177



9.8779, 0.5027, 0.2543



0.7027, 0.4673, 0.2348

Previews

White Background



This preview shows how the Yxy color 16.9300, 0.5062, 0.2562 looks on a white background.

Color Contrast Check

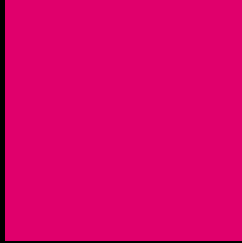
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9300, 0.5062, 0.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

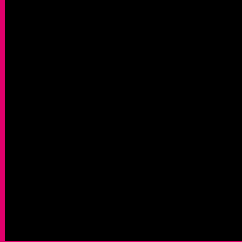
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9300, 0.5062, 0.2562

Background



This preview shows how black text looks on a background with the Yxy color 16.9300, 0.5062, 0.2562.



This preview shows how white text looks on a background with the Yxy color 16.9300, 0.5062, 0.2562.

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

16.9300, 0.5062, 0.2562

Protanopia

17.6650, 0.2582, 0.2540

Deuteranopia

17.5575, 0.3598, 0.3534



Tritanopia

17.2743, 0.5942, 0.3298

Trichromacy



Original Color

16.9300, 0.5062, 0.2562



Protanomaly

12.9251, 0.3315, 0.2225



Deuteranomaly

13.6813, 0.4254, 0.2827



Tritanomaly

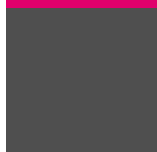
16.7187, 0.5720, 0.3033

Monochromacy



Original Color

16.9300, 0.5062, 0.2562



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.9249, 0.4037, 0.2559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9300, 0.5062, 0.2562 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, 108)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 108) }
```

Border

The CSS property to change the border of an element to Yxy 16.9300, 0.5062, 0.2562 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, 108) }
```

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

```
.border{ border-color:rgb(224, 0, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9300, 0.5062, 0.2562 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, 108) }
```

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

```
.background{ background-color: rgb(224, 0,  
108) }
```

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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