

Converting Colors

$Yxy(14.7725, 0.5199, 0.2231)$

Have a look what the booklet for
Yxy(14.7725, 0.5199, 0.2231)
contains.

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Color

Yxy(18.3707, 0.5027, 0.2543)

Conversions

Conversions Part 1

Format	Color
Hex	E80072
RGB	232, 0, 114
RGB Percent	91%, 0%, 45%
CMY	0.0902, 0.9997, 0.5529
CMYK	0.00, 1.00, 0.51, 0.09
HSL	331°, 100%, 46%
HSV	331°, 100%, 91%
XYZ	36.3152, 18.3707, 17.5544
YIQ	82.3640, 101.6780, 84.6380

Conversions

Conversions Part 2

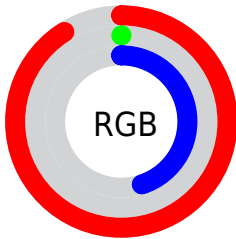
Format	Color
R_YB	232, 0, 114
Decimal	15204466
CIE Lab	49.94, 78.58, 4.84
CIE LCh	50, 78.730, 3.526
Yxy	18.3707, 0.5027, 0.2543
Android (android.graphics.Color)	4293394546 (0xFFE80072)
YUV	82.3640, 15.5965, 131.2308
Hunter-Lab	42.8611, 76.2321, 5.7196

Details

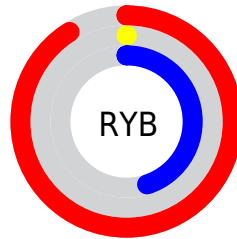
The Yxy color **18.3707, 0.5027, 0.2543** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **59.0203, 0.2723, 0.5001**, and the grayscale version is **8.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0186, 0.4215, 0.2589**, and **8.8403, 0.5377, 0.2736** is the 20% darker color. If you saturate the color by 10%, you get **18.3691, 0.5028, 0.2543**, and if you desaturate by 10%, it is **19.2804, 0.4784, 0.2470**.

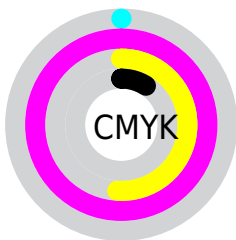
Distribution



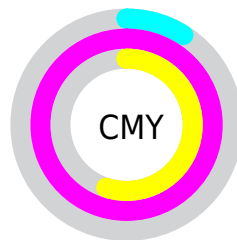
- Red (91%)
- Green (0%)
- Blue (45%)



- Red (91%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3707, 0.5027, 0.2543 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 18.3707, 0.5027, 0.2543 by changing the saturation by 10% instead.


 18.3707, 0.5027,
0.2543


 18.3707, 0.5027,
0.2543


242.9523, 0.3947,
0.2980


 11.2165, 0.5340,
0.2411


 40.6680, 0.4602,
0.2719


 6.2126, 0.5767,
0.2226

 56.5798, 0.4452,
0.2780


 2.9748, 0.6372,
0.1958

 76.1796, 0.4329,
0.2829

 1.1186, 0.7262,
0.1548

 99.8518, 0.4227,
0.2870

 0.0000, 1.0000,
0.0000

 127.9808, 0.4141,
0.2904

 0.0000, 0.0000,
0.0000

 160.9509, 0.4067,

0.2933

199.1466, 0.4003,
0.2958

■ 18.3707, 0.5027,
0.2543

■ 18.3707, 0.5027,
0.2543

■ 18.3691, 0.5028,
0.2543

■ 19.2804, 0.4784,
0.2470

■ 20.9705, 0.4531,
0.2447

■ 23.6786, 0.4278,
0.2477

■ 27.5435, 0.4040,
0.2550

■ 32.6820, 0.3823,
0.2654

■ 39.1963, 0.3634,
0.2777

■ 47.1785, 0.3471,
0.2908

■ 56.7123, 0.3335,
0.3040

■ 67.8752, 0.3221,
0.3169

Harmonies

Analogous

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



18.3707, 0.3493, 0.1891



18.3707, 0.5027, 0.2543



18.3707, 0.5852, 0.3301

Triad

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



18.3707, 0.5027, 0.2543



18.3707, 0.3480, 0.6025



18.3707, 0.1021, 0.1595

Complementary

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



18.3707, 0.5027, 0.2543



59.0203, 0.2723, 0.5001

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.



18.3707, 0.1003, 0.2321



18.3707, 0.5027, 0.2543



18.3707, 0.2292, 0.5669

Square

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



18.3707, 0.5027, 0.2543



18.3707, 0.4674, 0.5178



18.3707, 0.1388, 0.3855



18.3707, 0.1376, 0.1376

Rectangle

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



18.3707, 0.5027, 0.2543



18.3707, 0.5783, 0.3852



18.3707, 0.1388, 0.3855



18.3707, 0.0978, 0.1766

Sweetspot

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



18.3718, 0.5027, 0.2543



58.2622, 0.3474, 0.2906



9.5433, 0.2010, 0.0881



11.5274, 0.3540, 0.2849



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.



18.3718, 0.5027, 0.2543



22.7476, 0.5039, 0.2550



17.1568, 0.6400, 0.3300



14.4854, 0.3216, 0.3175



10.2237, 0.4991, 0.2523



0.7742, 0.4661, 0.2342

Inverse Universe

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



18.3718, 0.5027, 0.2543



22.7476, 0.5039, 0.2550



63.5366, 0.2247, 0.3287



14.4854, 0.3216, 0.3175



10.2237, 0.4991, 0.2523



0.7742, 0.4661, 0.2342

Previews

White Background



This preview shows how the Yxy color 18.3707, 0.5027, 0.2543 looks on a white background.

Color Contrast Check

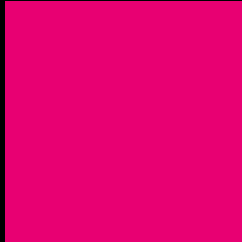
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.3707, 0.5027, 0.2543 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 18.3707, 0.5027, 0.2543

Background



This preview shows how black text looks on a background with the Yxy color 18.3707, 0.5027, 0.2543.



This preview shows how white text looks on a background with the Yxy color 18.3707, 0.5027, 0.2543.

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

18.3707, 0.5027, 0.2543

Protanopia

19.0361, 0.2535, 0.2481

Deuteranopia

18.8935, 0.3570, 0.3509



Tritanopia

18.7242, 0.5941, 0.3298

Trichromacy



Original Color

18.3707, 0.5027, 0.2543



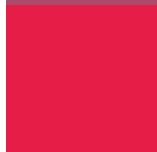
Protanomaly

13.9196, 0.3267, 0.2194



Deuteranomaly

14.7509, 0.4200, 0.2794



Tritanomaly

18.1439, 0.5714, 0.3033

Monochromacy



Original Color

18.3707, 0.5027, 0.2543



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.5825, 0.4028, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3707, 0.5027, 0.2543 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(232, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 114)  
}
```

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(232, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 114) }
```

Border

The CSS property to change the border of an element to Yxy 18.3707, 0.5027, 0.2543 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(232, 0, 114) }
```

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

```
.border{ border-color:rgb(232, 0, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3707, 0.5027, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 114) }
```

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

```
.background{ background-color: rgb(232, 0,  
114) }
```

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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