

Converting Colors

$Y_{xy}(19.5127, 0.5219, 0.2752)$

Have a look what the booklet for
Yxy(19.5127, 0.5219, 0.2752)
contains.

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Color

Yxy(19.6014, 0.5222, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	EB1F66
RGB	235, 31, 102
RGB Percent	92%, 12%, 40%
CMY	0.0784, 0.8786, 0.6000
CMYK	0.00, 0.87, 0.57, 0.08
HSL	339°, 84%, 52%
HSV	339°, 87%, 92%
XYZ	37.1537, 19.6014, 14.3933
YIQ	100.0900, 98.7930, 65.3290

Conversions

Conversions Part 2

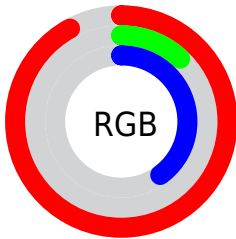
Format	Color
R_{YB}	235, 31, 102
Decimal	15408998
CIE _{Lab}	51.38, 75.14, 14.30
CIE _{LCh}	51, 76.489, 10.772
Yxy	19.6014, 0.5222, 0.2755
Android (android.graphics.Color)	4293599078 (0xFFEB1F66)
YUV	100.0900, 0.9416, 118.3161
Hunter-Lab	44.2735, 72.3163, 11.7162

Details

The Yxy color **19.6014, 0.5222, 0.2755** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **62.3985, 0.2557, 0.4316**, and the grayscale version is **12.7417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2604, 0.4359, 0.2797**, and **9.0562, 0.5657, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **18.5102, 0.5531, 0.2840**, and if you desaturate by 10%, it is **21.6389, 0.4883, 0.2721**.

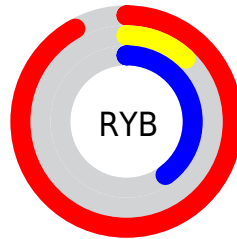
Distribution



Red (92%)

Green (12%)

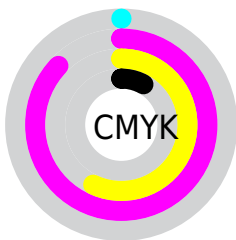
Blue (40%)



Red (92%)

Yellow (12%)

Blue (40%)

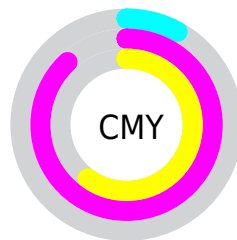


Cyan (0%)

Magenta (87%)

Yellow (57%)

Black (8%)



Cyan (8%)


Magenta (88%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6014, 0.5222, 0.2755 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 19.6014, 0.5222, 0.2755 by changing the saturation by 10% instead.


 19.6014, 0.5222,
0.2755


 19.6014, 0.5222,
0.2755


249.7490, 0.4035,
0.3098


 12.1056, 0.5561,
0.2640


 42.7479, 0.4758,
0.2900


 6.8157, 0.6016,
0.2473


 59.1674, 0.4593,
0.2949

 3.3471, 0.6645,
0.2217


 79.3303, 0.4458,
0.2987

 1.3155, 0.7645,
0.1835

 103.6209, 0.4345,
0.3018

 0.1532, 0.9438,
0.0562

 132.4237, 0.4250,
0.3043

 0.0000, 1.0000,
0.0000

166.1231, 0.4168,

 0.0000, 0.0000,

0.3064

0.0000

205.1034, 0.4097,
0.3082

■ 19.6014, 0.5222,
0.2755

■ 19.6014, 0.5222,
0.2755

■ 18.5102, 0.5531,
0.2840

■ 21.6389, 0.4883,
0.2721

■ 18.2718, 0.5623,
0.2871

■ 24.7927, 0.4544,
0.2735

■ 29.2005, 0.4228,
0.2786

■ 34.9792, 0.3947,
0.2862

■ 42.2318, 0.3707,
0.2952

■ 51.0516, 0.3506,
0.3047

■ 61.5242, 0.3341,
0.3141

■ 73.7288, 0.3205,
0.3232

■ 87.7394, 0.3094,
0.3316

Harmonies

Analogous

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



19.6014, 0.3845, 0.2078



19.6014, 0.5222, 0.2755



19.6014, 0.5771, 0.3519

Triad

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



19.6014, 0.5222, 0.2755



19.6014, 0.3218, 0.5964



19.6014, 0.1137, 0.1571

Complementary

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



19.6014, 0.5222, 0.2755



62.3985, 0.2557, 0.4316

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.



19.6014, 0.1044, 0.2141



19.6014, 0.5222, 0.2755



19.6014, 0.2093, 0.5192

Square

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



19.6014, 0.5222, 0.2755



19.6014, 0.4380, 0.5362



19.6014, 0.1322, 0.3414



19.6014, 0.1577, 0.1437

Rectangle

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



19.6014, 0.5222, 0.2755



19.6014, 0.5576, 0.4081



19.6014, 0.1322, 0.3414



19.6014, 0.1070, 0.1701

Sweetspot

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



19.6026, 0.5222, 0.2755



62.2685, 0.3493, 0.3054



14.8272, 0.2449, 0.1182



12.4799, 0.3558, 0.3021



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.



19.6026, 0.5222, 0.2755



21.9773, 0.5634, 0.2877



21.1629, 0.5952, 0.3478



15.1406, 0.3238, 0.3208



10.1889, 0.5581, 0.2848



0.8177, 0.5195, 0.2636

Inverse Universe

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



19.6026, 0.5222, 0.2755



21.9773, 0.5634, 0.2877



49.6712, 0.2151, 0.2869



15.1406, 0.3238, 0.3208



10.1889, 0.5581, 0.2848



0.8177, 0.5195, 0.2636

Previews

White Background



This preview shows how the Yxy color 19.6014, 0.5222, 0.2755 looks on a white background.

Color Contrast Check

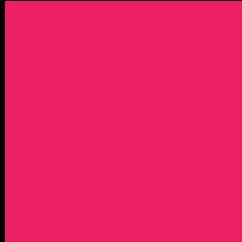
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6014, 0.5222, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

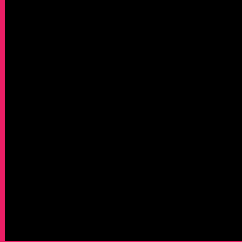
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6014, 0.5222, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 19.6014, 0.5222, 0.2755.



This preview shows how white text looks on a background with the Yxy color 19.6014, 0.5222, 0.2755.

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

19.6014, 0.5222, 0.2755

Protanopia

19.8546, 0.2856, 0.2893

Deuteranopia

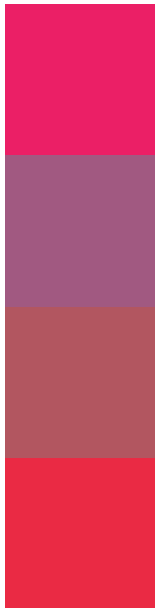
19.7493, 0.3811, 0.3746



Tritanopia

19.6593, 0.5897, 0.3292

Trichromacy



Original Color

19.6014, 0.5222, 0.2755

Protanomaly

16.3068, 0.3628, 0.2661

Deuteranomaly

16.9651, 0.4419, 0.3150

Tritanomaly

19.5657, 0.5708, 0.3119

Monochromacy



Original Color

19.6014, 0.5222, 0.2755

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3613, 0.3976, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6014, 0.5222, 0.2755 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(235, 31, 102)` looks like.

```
.text, #text, p{  
    color:rgb(235, 31, 102)  
}
```

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(235, 31, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 31, 102) }
```

Border

The CSS property to change the border of an element to Yxy 19.6014, 0.5222, 0.2755 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(235, 31, 102) }
```

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

```
.border{ border-color:rgb(235, 31, 102) }
```

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

Here you see how a box with a 4 pixel rgb(235, 31, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 31, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 31, 102);  
box-shadow:4px 4px 4px 4px rgb(235, 31,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6014, 0.5222, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 31, 102) }
```

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

```
.background{ background-color: rgb(235, 31,  
102) }
```

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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