

Converting Colors

Yxy(20.3697, 0.4124, 0.2046)

Have a look what the booklet for
Yxy(20.3697, 0.4124, 0.2046)
contains.

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Color

Yxy(20.4522, 0.4123, 0.2045)

Conversions

Conversions Part 1

Format	Color
Hex	EB00A7
RGB	235, 0, 167
RGB Percent	92%, 0%, 65%
CMY	0.0784, 0.9997, 0.3452
CMYK	0.00, 1.00, 0.29, 0.08
HSL	317°, 100%, 46%
HSV	317°, 100%, 92%
XYZ	41.2344, 20.4522, 38.3241
YIQ	89.3030, 86.4530, 101.7570

Conversions

Conversions Part 2

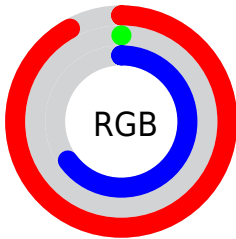
Format	Color
R_{YB}	235, 0, 167
Decimal	15401127
CIE _{Lab}	52.34, 83.92, -23.37
CIE _{LCh}	52, 87.115, 344.436
Yxy	20.4522, 0.4123, 0.2045
Android (android.graphics.Color)	4293591207 (0xFFEB00A7)
YUV	89.3030, 38.3046, 127.7763
Hunter-Lab	45.2241, 83.6105, -18.5871

Details

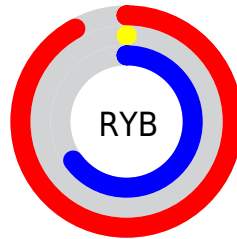
The Yxy color **20.4522, 0.4123, 0.2045** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **59.8357, 0.2901, 0.5645**, and the grayscale version is **9.9711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0833, 0.3524, 0.2106**, and **10.2365, 0.4290, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **20.4505, 0.4123, 0.2045**, and if you desaturate by 10%, it is **21.3461, 0.4005, 0.2026**.

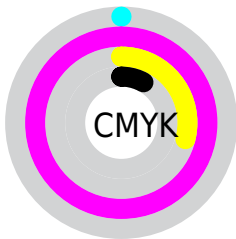
Distribution



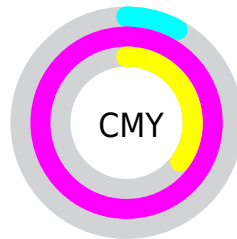
- Red (92%)
- Green (0%)
- Blue (65%)



- Red (92%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4522, 0.4123, 0.2045 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 20.4522, 0.4123, 0.2045 by changing the saturation by 10% instead.


 20.4522, 0.4123,
0.2045


 20.4522, 0.4123,
0.2045


254.3527, 0.3600,
0.2674


 12.7242, 0.4260,
0.1889


 44.1740, 0.3928,
0.2273


 7.2389, 0.4439,
0.1692


 60.9366, 0.3856,
0.2360


 3.6119, 0.4682,
0.1437


 81.4796, 0.3796,
0.2432

 1.4589, 0.5025,
0.1101

 106.1872, 0.3744,
0.2495

 0.2596, 0.5660,
0.0446

 135.4439, 0.3701,
0.2549

 0.0000, 0.6481,
0.0000

 169.6342, 0.3663,

 0.0000, 1.0000,

0.2596

0.0000

209.1423, 0.3629,
0.2638

■ 0.0000, 0.0000,
0.0000

■ 20.4522, 0.4123,
0.2045

■ 20.4522, 0.4123,
0.2045

■ 20.4505, 0.4123,
0.2045

■ 21.3461, 0.4005,
0.2026

■ 23.0215, 0.3883,
0.2051

■ 25.7210, 0.3760,
0.2125

■ 29.5870, 0.3640,
0.2242

■ 34.7391, 0.3528,
0.2392

■ 41.2821, 0.3425,
0.2563

■ 49.3100, 0.3334,
0.2746

■ 58.9084, 0.3254,
0.2932

■ 70.1565, 0.3185,
0.3115

Harmonies

Analogous

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



20.4522, 0.2550, 0.1526



20.4522, 0.4123, 0.2045



20.4522, 0.5598, 0.2767

Triad

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



20.4522, 0.4123, 0.2045



20.4522, 0.4254, 0.5632



20.4522, 0.0885, 0.1897

Complementary

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



20.4522, 0.4123, 0.2045



59.8357, 0.2901, 0.5645

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.



20.4522, 0.1095, 0.3171



20.4522, 0.4123, 0.2045



20.4522, 0.2983, 0.6295

Square

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



20.4522, 0.4123, 0.2045



20.4522, 0.5391, 0.4511



20.4522, 0.1821, 0.5240



20.4522, 0.1029, 0.1388

Rectangle

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



20.4522, 0.4123, 0.2045



20.4522, 0.6010, 0.3285



20.4522, 0.1821, 0.5240



20.4522, 0.0910, 0.2214

Sweetspot

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



20.4533, 0.4123, 0.2045



59.1747, 0.3335, 0.2743



7.1808, 0.1670, 0.0694



11.7446, 0.3372, 0.2665



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.



20.4533, 0.4123, 0.2045



24.6030, 0.4128, 0.2048



17.9029, 0.6061, 0.3113



15.2351, 0.3182, 0.3124



11.4049, 0.4105, 0.2035



0.9121, 0.3952, 0.1951

Inverse Universe

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



20.4533, 0.4123, 0.2045



24.6030, 0.4128, 0.2048



62.8820, 0.2448, 0.4011



15.2351, 0.3182, 0.3124



11.4049, 0.4105, 0.2035



0.9121, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 20.4522, 0.4123, 0.2045 looks on a white background.

Color Contrast Check

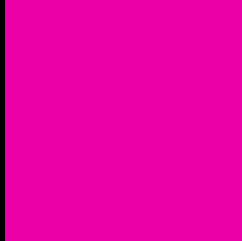
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4522, 0.4123, 0.2045 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 20.4522, 0.4123, 0.2045

Background



This preview shows how black text looks on a background with the Yxy color 20.4522, 0.4123, 0.2045.



This preview shows how white text looks on a background with the Yxy color 20.4522, 0.4123, 0.2045.

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

20.4522, 0.4123, 0.2045

Protanopia

21.4628, 0.1901, 0.1652

Deuteranopia

21.1007, 0.2794, 0.2740



Tritanopia

20.8201, 0.5502, 0.3272

Trichromacy



Original Color

20.4522, 0.4123, 0.2045



Protanomaly

14.7143, 0.2291, 0.1443



Deuteranomaly

16.0225, 0.3237, 0.2121



Tritanomaly

19.6648, 0.5100, 0.2760

Monochromacy



Original Color

20.4522, 0.4123, 0.2045



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.9614, 0.3622, 0.2279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4522, 0.4123, 0.2045 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, 0, 167)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 167)  
}
```

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, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.4522, 0.4123, 0.2045 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, 0, 167) }
```

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

```
.border{ border-color:rgb(235, 0, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4522, 0.4123, 0.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 167) }
```

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

```
.background{ background-color: rgb(235, 0,  
167) }
```

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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