

Converting Colors

$Y_{xy}(20.2795, 0.4186, 0.2084)$

Have a look what the booklet for
Yxy(20.2795, 0.4186, 0.2084)
contains.

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Color

Yxy(20.3716, 0.4187, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	EB03A3
RGB	235, 3, 163
RGB Percent	92%, 1%, 64%
CMY	0.0783, 0.9887, 0.3608
CMYK	0.00, 0.99, 0.31, 0.08
HSL	319°, 98%, 47%
HSV	319°, 99%, 92%
XYZ	40.9093, 20.3716, 36.4246
YIQ	90.6080, 86.9120, 98.9440

Conversions

Conversions Part 2

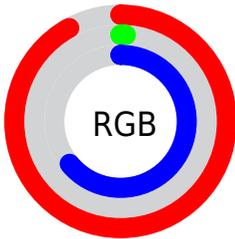
Format	Color
R_{YB}	235, 3, 163
Decimal	15401891
CIE _{Lab}	52.25, 83.31, -21.16
CIE _{LCh}	52, 85.955, 345.751
Yxy	20.3716, 0.4187, 0.2085
Android (android.graphics.Color)	4293591971 (0xFFEB03A3)
YUV	90.6080, 35.6893, 126.6318
Hunter-Lab	45.1349, 82.8024, -16.2536

Details

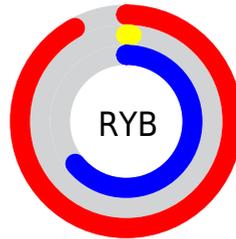
The Yxy color **20.3716, 0.4187, 0.2085** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **59.9544, 0.2884, 0.5575**, and the grayscale version is **10.2572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0573, 0.3567, 0.2146**, and **10.1464, 0.4381, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **20.2780, 0.4203, 0.2089**, and if you desaturate by 10%, it is **21.3352, 0.4057, 0.2064**.

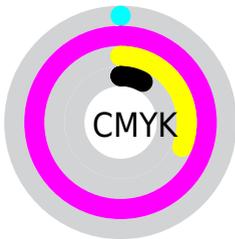
Distribution



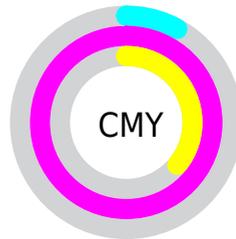
- Red (92%)
- Green (1%)
- Blue (64%)



- Red (92%)
- Yellow (1%)
- Blue (64%)



- Cyan (0%)
- Magenta (99%)
- Yellow (31%)
- Black (8%)



- Cyan (8%)
- Magenta (99%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3716, 0.4187, 0.2085 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 20.3716, 0.4187, 0.2085 by changing the saturation by 10% instead.

 20.3716, 0.4187,
0.2085

 20.3716, 0.4187,
0.2085

253.9198, 0.3625,
0.2699

 12.6654, 0.4337,
0.1932

 44.0393, 0.3975,
0.2309

 7.1986, 0.4533,
0.1736

 60.7697, 0.3898,
0.2393

 3.5866, 0.4802,
0.1481

 81.2769, 0.3834,
0.2464

 1.4451, 0.5187,
0.1143

 105.9454, 0.3779,
0.2525

 0.2496, 0.5913,
0.0457

 135.1595, 0.3732,
0.2577

 0.0000, 0.7008,
0.0000

 169.3037, 0.3691,

 0.0000, 1.0000,

0.2623

0.0000

208.7623, 0.3656,
0.2663

■ 0.0000, 0.0000,
0.0000

■ 20.3716, 0.4187,
0.2085

■ 20.3716, 0.4187,
0.2085

■ 20.2780, 0.4203,
0.2089

■ 21.3352, 0.4057,
0.2064

■ 23.1353, 0.3923,
0.2092

■ 25.9803, 0.3790,
0.2168

■ 30.0091, 0.3661,
0.2286

■ 35.3396, 0.3541,
0.2435

■ 42.0749, 0.3432,
0.2604

■ 50.3082, 0.3336,
0.2783

■ 60.1242, 0.3252,
0.2964

■ 71.6014, 0.3181,
0.3141

Harmonies

Analogous

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



20.3716, 0.2615, 0.1556



20.3716, 0.4187, 0.2085



20.3716, 0.5615, 0.2809

Triad

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



20.3716, 0.4187, 0.2085



20.3716, 0.4198, 0.5659



20.3716, 0.0900, 0.1877

Complementary

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



20.3716, 0.4187, 0.2085



59.9544, 0.2884, 0.5575

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.



20.3716, 0.1094, 0.3099



20.3716, 0.4187, 0.2085



20.3716, 0.2940, 0.6257

Square

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



20.3716, 0.4187, 0.2085



20.3716, 0.5336, 0.4558



20.3716, 0.1794, 0.5126



20.3716, 0.1058, 0.1392

Rectangle

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



20.3716, 0.4187, 0.2085



20.3716, 0.5989, 0.3328



20.3716, 0.1794, 0.5126



20.3716, 0.0921, 0.2181

Sweetspot

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



20.3727, 0.4187, 0.2085



59.0846, 0.3348, 0.2758



7.4602, 0.1701, 0.0715



11.7230, 0.3388, 0.2682



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.



20.3727, 0.4187, 0.2085



24.3899, 0.4208, 0.2092



17.9529, 0.6075, 0.3129



15.2296, 0.3185, 0.3129



11.3073, 0.4183, 0.2078



0.9050, 0.4015, 0.1985

Inverse Universe

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



20.3727, 0.4187, 0.2085



24.3899, 0.4208, 0.2092



63.1041, 0.2430, 0.3943



15.2296, 0.3185, 0.3129



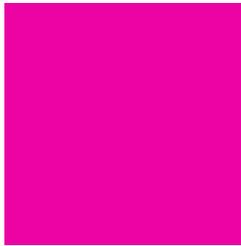
11.3073, 0.4183, 0.2078



0.9050, 0.4015, 0.1985

Previews

White Background



This preview shows how the Yxy color 20.3716, 0.4187, 0.2085 looks on a white background.

Color Contrast Check

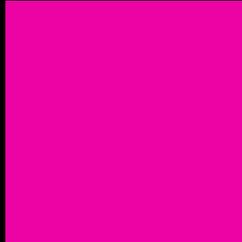
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3716, 0.4187, 0.2085 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 20.3716, 0.4187, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 20.3716, 0.4187, 0.2085.



This preview shows how white text looks on a background with the Yxy color 20.3716, 0.4187, 0.2085.

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

20.3716, 0.4187, 0.2085

Protanopia

21.2942, 0.1939, 0.1708

Deuteranopia

20.7929, 0.2843, 0.2787



Tritanopia

20.5660, 0.5544, 0.3272

Trichromacy



Original Color

20.3716, 0.4187, 0.2085



Protanomaly

14.8428, 0.2355, 0.1503



Deuteranomaly

15.9916, 0.3305, 0.2174



Tritanomaly

19.6042, 0.5152, 0.2791

Monochromacy



Original Color

20.3716, 0.4187, 0.2085



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.2519, 0.3634, 0.2313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3716, 0.4187, 0.2085 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, 3, 163)` looks like.

```
.text, #text, p{  
    color:rgb(235, 3, 163)  
}
```

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, 3, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 3, 163) }
```

Border

The CSS property to change the border of an element to Yxy 20.3716, 0.4187, 0.2085 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, 3, 163) }
```

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

```
.border{ border-color:rgb(235, 3, 163) }
```

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

Here you see how a box with a 4 pixel rgb(235, 3, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 3, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 3, 163);  
box-shadow:4px 4px 4px 4px rgb(235, 3,  
163) }
```

Background

The CSS property to change the background color of an element to Yxy 20.3716, 0.4187, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 3, 163) }
```

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

```
.background{ background-color: rgb(235, 3,  
163) }
```

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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