

Converting Colors

$Yxy(21.6032, 0.3701, 0.1812)$

Have a look what the booklet for
Yxy(21.6032, 0.3701, 0.1812)
contains.

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Color

Yxy(21.6023, 0.3701, 0.1812)

Conversions

Conversions Part 1

Format	Color
Hex	EB00C3
RGB	235, 0, 195
RGB Percent	92%, 0%, 76%
CMY	0.0783, 1.0000, 0.2352
CMYK	0.00, 1.00, 0.17, 0.08
HSL	310°, 100%, 46%
HSV	310°, 100%, 92%
XYZ	44.1226, 21.6023, 53.4931
YIQ	92.4950, 77.4650, 110.4650

Conversions

Conversions Part 2

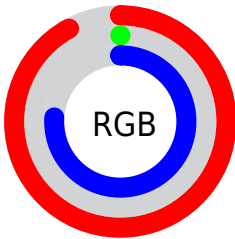
Format	Color
R_{YB}	235, 0, 195
Decimal	15401155
CIE _{Lab}	53.60, 87.14, -37.81
CIE _{LCh}	54, 94.987, 336.544
Yxy	21.6023, 0.3701, 0.1812
Android (android.graphics.Color)	4293591235 (0xFFEB00C3)
YUV	92.4950, 50.5350, 124.9769
Hunter-Lab	46.4783, 88.1160, -35.7037

Details

The Yxy color **21.6023, 0.3701, 0.1812** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **59.5898, 0.2962, 0.5864**, and the grayscale version is **10.6936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0236, 0.3222, 0.1888**, and **10.9218, 0.3753, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **21.6097, 0.3701, 0.1812**, and if you desaturate by 10%, it is **22.4261, 0.3640, 0.1818**.

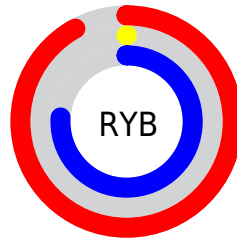
Distribution



Red (92%)

Green (0%)

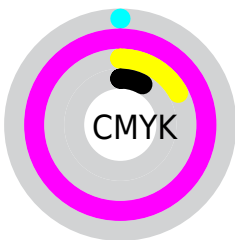
Blue (76%)



Red (92%)

Yellow (0%)

Blue (76%)

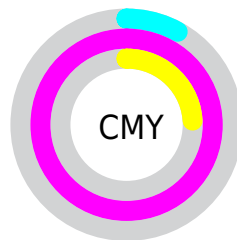


Cyan (0%)

Magenta (100%)

Yellow (17%)

Black (8%)



Cyan (8%)

Magenta (100%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6023, 0.3701, 0.1812 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 21.6023, 0.3701, 0.1812 by changing the saturation by 10% instead.


 21.6023, 0.3701,
0.1812


 21.6023, 0.3701,
0.1812

260.4623, 0.3431,
0.2524

 13.5650, 0.3761,
0.1648


 46.0878, 0.3608,
0.2062


 7.8187, 0.3833,
0.1446


 63.3048, 0.3572,
0.2159

 3.9792, 0.3918,
0.1196


 84.3504, 0.3540,
0.2242

 1.6619, 0.4018,
0.0887

 109.6091, 0.3513,
0.2313

 0.3988, 0.4160,
0.0432

 139.4652, 0.3489,
0.2376

 0.0000, 0.4247,
0.0000

174.3032, 0.3467,

 0.0000, 0.3760,

0.2431

0.0000

214.5074, 0.3448,
0.2480

■ 0.0000, 0.0000,
0.0000

■ 21.6023, 0.3701,
0.1812

■ 21.6023, 0.3701,
0.1812

■ 21.6097, 0.3701,
0.1812

■ 22.4261, 0.3640,
0.1818

■ 24.0151, 0.3577,
0.1864

■ 26.6192, 0.3510,
0.1957

■ 30.3808, 0.3444,
0.2091

■ 35.4196, 0.3379,
0.2260

■ 41.8403, 0.3318,
0.2453

■ 49.7367, 0.3262,
0.2661

■ 59.1944, 0.3211,
0.2874

■ 70.2926, 0.3166,
0.3086

Harmonies

Analogous

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



21.6023, 0.2167, 0.1358



21.6023, 0.3701, 0.1812



21.6023, 0.5426, 0.2513

Triad

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



21.6023, 0.3701, 0.1812



21.6023, 0.4598, 0.5402



21.6023, 0.0810, 0.2057

Complementary

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



21.6023, 0.3701, 0.1812



59.5898, 0.2962, 0.5864

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.



21.6023, 0.1127, 0.3681



21.6023, 0.3701, 0.1812



21.6023, 0.3255, 0.6408

Square

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



21.6023, 0.3701, 0.1812



21.6023, 0.5716, 0.4212



21.6023, 0.2010, 0.5919



21.6023, 0.0877, 0.1382

Rectangle

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



21.6023, 0.3701, 0.1812



21.6023, 0.6082, 0.3028



21.6023, 0.2010, 0.5919



21.6023, 0.0864, 0.2468

Sweetspot

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



21.6097, 0.3701, 0.1812



59.7097, 0.3262, 0.2658



6.4349, 0.1564, 0.0635



11.8734, 0.3285, 0.2569



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.



21.6097, 0.3701, 0.1812



25.9933, 0.3703, 0.1814



18.2231, 0.5679, 0.2902



15.2672, 0.3164, 0.3097



12.0394, 0.3692, 0.1807



0.9570, 0.3613, 0.1764

Inverse Universe

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



21.6097, 0.3701, 0.1812



25.9933, 0.3703, 0.1814



61.8604, 0.2566, 0.4436



15.2672, 0.3164, 0.3097



12.0394, 0.3692, 0.1807



0.9570, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 21.6023, 0.3701, 0.1812 looks on a white background.

Color Contrast Check

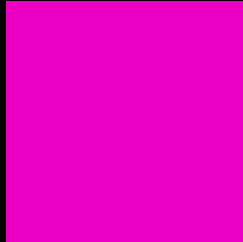
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6023, 0.3701, 0.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

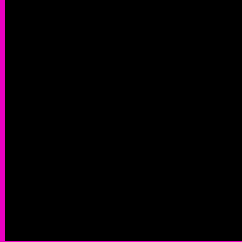
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6023, 0.3701, 0.1812

Background



This preview shows how black text looks on a background with the Yxy color 21.6023, 0.3701, 0.1812.



This preview shows how white text looks on a background with the Yxy color 21.6023, 0.3701, 0.1812.

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

21.6023, 0.3701, 0.1812

Protanopia

22.4916, 0.1811, 0.1534

Deuteranopia

22.1722, 0.2447, 0.2390



Tritanopia

21.9094, 0.5232, 0.3257

Trichromacy



Original Color

21.6023, 0.3701, 0.1812



Protanomaly

15.2654, 0.2077, 0.1287



Deuteranomaly

16.4413, 0.2803, 0.1812



Tritanomaly

20.2598, 0.4761, 0.2612

Monochromacy



Original Color

21.6023, 0.3701, 0.1812



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7594, 0.3432, 0.2138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6023, 0.3701, 0.1812 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 195) }
```

Border

The CSS property to change the border of an element to Yxy 21.6023, 0.3701, 0.1812 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, 195) }
```

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

```
.border{ border-color:rgb(235, 0, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6023, 0.3701, 0.1812 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, 195) }
```

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

```
.background{ background-color: rgb(235, 0,  
195) }
```

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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