

Converting Colors

$Yxy(21.2054, 0.3636, 0.1777)$

Have a look what the booklet for
Yxy(21.2054, 0.3636, 0.1777)
contains.

Yxy(21.1870, 0.3638, 0.1778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1870, 0.3638, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	E800C5
RGB	232, 0, 197
RGB Percent	91%, 0%, 77%
CMY	0.0903, 0.9992, 0.2275
CMYK	0.00, 1.00, 0.15, 0.09
HSL	309°, 100%, 46%
HSV	309°, 100%, 91%
XYZ	43.3511, 21.1870, 54.6239
YIQ	91.8260, 75.0350, 110.4510

Conversions

Conversions Part 2

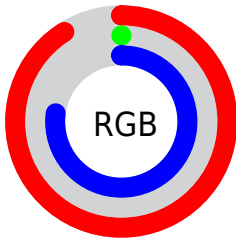
Format	Color
R_YB	232, 0, 197
Decimal	15204549
CIE _{Lab}	53.15, 86.80, -39.69
CIE _{LCh}	53, 95.445, 335.430
Yxy	21.1870, 0.3638, 0.1778
Android (android.graphics.Color)	4293394629 (0xFFE800C5)
YUV	91.8260, 51.8508, 122.9326
Hunter-Lab	46.0293, 87.5627, -38.1400

Details

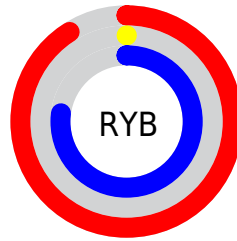
The Yxy color **21.1870, 0.3638, 0.1778** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **57.8260, 0.2969, 0.5888**, and the grayscale version is **10.5553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1511, 0.3203, 0.1874**, and **10.6411, 0.3669, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **21.1819, 0.3638, 0.1778**, and if you desaturate by 10%, it is **21.9752, 0.3586, 0.1788**.

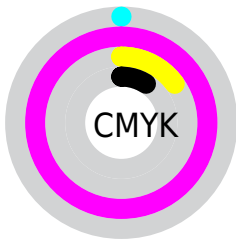
Distribution



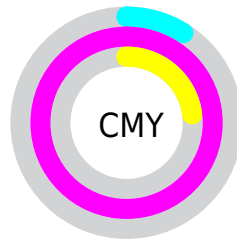
- Red (91%)
- Green (0%)
- Blue (77%)



- Red (91%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1870, 0.3638, 0.1778 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 21.1870, 0.3638, 0.1778 by changing the saturation by 10% instead.


 21.1870, 0.3638,
0.1778


 21.1870, 0.3638,
0.1778


258.2706, 0.3404,
0.2505


 13.2608, 0.3688,
0.1611


 45.3985, 0.3559,
0.2033

 7.6084, 0.3745,
0.1407


 62.4526, 0.3528,
0.2131


 3.8454, 0.3811,
0.1155


 83.3182, 0.3500,
0.2216

 1.5875, 0.3882,
0.0845

 108.3795, 0.3476,
0.2289

 0.3491, 0.3983,
0.0376

 138.0210, 0.3455,
0.2354

 0.0000, 0.3972,
0.0000

 172.6271, 0.3436,

 0.0000, 0.3177,

0.2410

0.0000

212.5822, 0.3419,
0.2460

■ 0.0000, 0.0000,
0.0000

■ 21.1870, 0.3638,
0.1778

■ 21.1870, 0.3638,
0.1778

■ 21.1819, 0.3638,
0.1778

■ 21.9752, 0.3586,
0.1788

■ 23.5141, 0.3530,
0.1837

■ 26.0385, 0.3472,
0.1933

■ 29.6858, 0.3413,
0.2070

■ 34.5716, 0.3355,
0.2242

■ 40.7972, 0.3300,
0.2438

■ 48.4533, 0.3249,
0.2650

■ 57.6228, 0.3203,
0.2867

■ 68.3823, 0.3163,
0.3083

Harmonies

Analogous

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



21.1870, 0.2113, 0.1334



21.1870, 0.3638, 0.1778



21.1870, 0.5396, 0.2475

Triad

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



21.1870, 0.3638, 0.1778



21.1870, 0.4643, 0.5357



21.1870, 0.0799, 0.2083

Complementary

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



21.1870, 0.3638, 0.1778



57.8260, 0.2969, 0.5888

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.



21.1870, 0.1131, 0.3765



21.1870, 0.3638, 0.1778



21.1870, 0.3293, 0.6414

Square

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



21.1870, 0.3638, 0.1778



21.1870, 0.5765, 0.4169



21.1870, 0.2037, 0.6018



21.1870, 0.0855, 0.1382

Rectangle

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



21.1870, 0.3638, 0.1778



21.1870, 0.6090, 0.2990



21.1870, 0.2037, 0.6018



21.1870, 0.0857, 0.2511

Sweetspot

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



21.1881, 0.3638, 0.1778



59.7985, 0.3251, 0.2644



6.1867, 0.1554, 0.0630



11.8949, 0.3272, 0.2554



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.



21.1881, 0.3638, 0.1778



26.2441, 0.3641, 0.1779



17.7563, 0.5611, 0.2865



14.5759, 0.3161, 0.3093



11.7766, 0.3630, 0.1774



0.8804, 0.3559, 0.1734

Inverse Universe

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



21.1881, 0.3638, 0.1778



26.2441, 0.3641, 0.1779



59.9333, 0.2582, 0.4495



14.5759, 0.3161, 0.3093



11.7766, 0.3630, 0.1774



0.8804, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 21.1870, 0.3638, 0.1778 looks on a white background.

Color Contrast Check

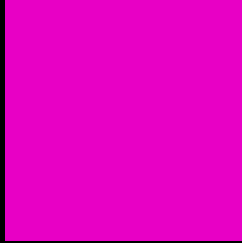
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1870, 0.3638, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

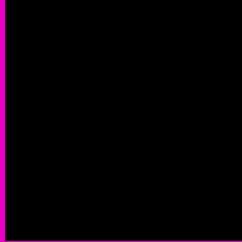
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1870, 0.3638, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 21.1870, 0.3638, 0.1778.



This preview shows how white text looks on a background with the Yxy color 21.1870, 0.3638, 0.1778.

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

21.1870, 0.3638, 0.1778

Protanopia

22.1275, 0.1797, 0.1517

Deuteranopia

21.7457, 0.2398, 0.2339



Tritanopia

21.5876, 0.5184, 0.3256

Trichromacy



Original Color

21.1870, 0.3638, 0.1778



Protanomaly

14.9120, 0.2041, 0.1258



Deuteranomaly

16.2344, 0.2748, 0.1779



Tritanomaly

19.9052, 0.4691, 0.2583

Monochromacy



Original Color

21.1870, 0.3638, 0.1778



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5793, 0.3400, 0.2126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1870, 0.3638, 0.1778 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 197) }
```

Border

The CSS property to change the border of an element to Yxy 21.1870, 0.3638, 0.1778 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, 197) }
```

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

```
.border{ border-color:rgb(232, 0, 197) }
```

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, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1870, 0.3638, 0.1778 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, 197) }
```

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

```
.background{ background-color: rgb(232, 0,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor