

Converting Colors

$Yxy(21.1564, 0.3650, 0.1785)$

Have a look what the booklet for
Yxy(21.1564, 0.3650, 0.1785)
contains.

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Color

Yxy(21.1413, 0.3652, 0.1785)

Conversions

Conversions Part 1

Format	Color
Hex	E800C4
RGB	232, 0, 196
RGB Percent	91%, 0%, 77%
CMY	0.0901, 1.0000, 0.2313
CMYK	0.00, 1.00, 0.16, 0.09
HSL	309°, 100%, 45%
HSV	309°, 100%, 91%
XYZ	43.2538, 21.1413, 54.0436
YIQ	91.7120, 75.3560, 110.1400

Conversions

Conversions Part 2

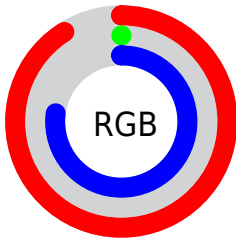
Format	Color
R_{YB}	232, 0, 196
Decimal	15204548
CIE _{Lab}	53.10, 86.73, -39.21
CIE _{LCh}	53, 95.180, 335.674
Yxy	21.1413, 0.3652, 0.1785
Android (android.graphics.Color)	4293394628 (0xFFE800C4)
YUV	91.7120, 51.4140, 123.0326
Hunter-Lab	45.9797, 87.4533, -37.5025

Details

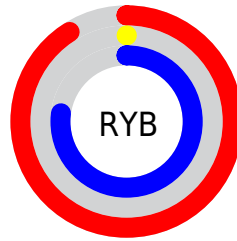
The Yxy color **21.1413, 0.3652, 0.1785** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **57.8610, 0.2968, 0.5883**, and the grayscale version is **10.5033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0872, 0.3212, 0.1881**, and **10.6109, 0.3688, 0.1805** is the 20% darker color. If you saturate the color by 10%, you get **21.1488, 0.3652, 0.1785**, and if you desaturate by 10%, it is **21.9357, 0.3598, 0.1794**.

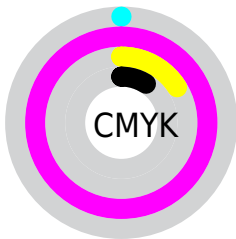
Distribution



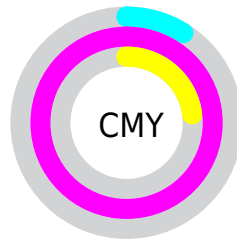
- Red (91%)
- Green (0%)
- Blue (77%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (9%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1413, 0.3652, 0.1785 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 21.1413, 0.3652, 0.1785 by changing the saturation by 10% instead.


 21.1413, 0.3652,
0.1785


 21.1413, 0.3652,
0.1785


258.0285, 0.3410,
0.2510


 13.2273, 0.3704,
0.1618


 45.3226, 0.3570,
0.2039

 7.5853, 0.3765,
0.1414


 62.3587, 0.3537,
0.2137


 3.8307, 0.3836,
0.1162


 83.2043, 0.3509,
0.2222

 1.5793, 0.3913,
0.0851

 108.2437, 0.3484,
0.2295

 0.3436, 0.4025,
0.0376

 137.8615, 0.3462,
0.2359

 0.0000, 0.4029,
0.0000

 172.4420, 0.3443,


 0.0000, 0.3251,


0.2415

0.0000


212.3695, 0.3426,
0.2465

 0.0000, 0.0000,
0.0000


 21.1413, 0.3652,
0.1785


 21.1413, 0.3652,
0.1785


 21.1488, 0.3652,
0.1785

 21.9357, 0.3598,
0.1794

 23.4707, 0.3540,
0.1843

 25.9904, 0.3481,
0.1937

 29.6328, 0.3420,
0.2074

 34.5136, 0.3361,
0.2244

■ 40.7342, 0.3305,
0.2440

■ 48.3856, 0.3252,
0.2651

■ 57.5508, 0.3205,
0.2867

■ 68.3063, 0.3164,
0.3082

Harmonies

Analogous

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



21.1413, 0.2125, 0.1339



21.1413, 0.3652, 0.1785



21.1413, 0.5404, 0.2483

Triad

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



21.1413, 0.3652, 0.1785



21.1413, 0.4633, 0.5367



21.1413, 0.0801, 0.2077

Complementary

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



21.1413, 0.3652, 0.1785



57.8610, 0.2968, 0.5883

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.



21.1413, 0.1130, 0.3746



21.1413, 0.3652, 0.1785



21.1413, 0.3284, 0.6414

Square

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



21.1413, 0.3652, 0.1785



21.1413, 0.5755, 0.4178



21.1413, 0.2030, 0.5998



21.1413, 0.0860, 0.1381

Rectangle

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



21.1413, 0.3652, 0.1785



21.1413, 0.6089, 0.2998



21.1413, 0.2030, 0.5998



21.1413, 0.0858, 0.2501

Sweetspot

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



21.1488, 0.3652, 0.1785



59.7790, 0.3253, 0.2647



6.1822, 0.1554, 0.0630



11.8902, 0.3275, 0.2557



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.



21.1488, 0.3652, 0.1785



26.1885, 0.3655, 0.1787



17.7591, 0.5614, 0.2866



14.5748, 0.3161, 0.3094



11.7522, 0.3644, 0.1781



0.8789, 0.3570, 0.1740

Inverse Universe

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



21.1488, 0.3652, 0.1785



26.1885, 0.3655, 0.1787



59.9622, 0.2582, 0.4496



14.5748, 0.3161, 0.3094



11.7522, 0.3644, 0.1781



0.8789, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 21.1413, 0.3652, 0.1785 looks on a white background.

Color Contrast Check

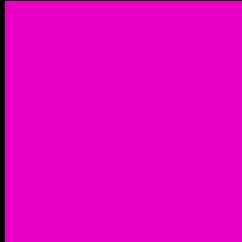
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1413, 0.3652, 0.1785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

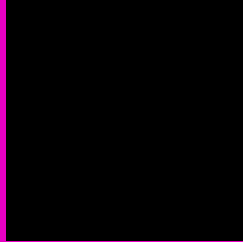
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1413, 0.3652, 0.1785

Background



This preview shows how black text looks on a background with the Yxy color 21.1413, 0.3652, 0.1785.



This preview shows how white text looks on a background with the Yxy color 21.1413, 0.3652, 0.1785.

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

21.1413, 0.3652, 0.1785

Protanopia

22.1067, 0.1795, 0.1517

Deuteranopia

21.7652, 0.2413, 0.2354



Tritanopia

21.4465, 0.5192, 0.3246

Trichromacy



Original Color

21.1413, 0.3652, 0.1785



Protanomaly

14.8475, 0.2034, 0.1254



Deuteranomaly

16.1911, 0.2758, 0.1788



Tritanomaly

19.7954, 0.4711, 0.2588

Monochromacy



Original Color

21.1413, 0.3652, 0.1785



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 21.1413, 0.3652, 0.1785 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 196) }
```

Border

The CSS property to change the border of an element to Yxy 21.1413, 0.3652, 0.1785 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, 196) }
```

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

```
.border{ border-color:rgb(232, 0, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1413, 0.3652, 0.1785 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, 196) }
```

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

```
.background{ background-color: rgb(232, 0,  
196) }
```

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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