

Converting Colors

$Y_{xy}(20.0392, 0.3595, 0.1777)$

Have a look what the booklet for
Yxy(20.0392, 0.3595, 0.1777)
contains.

Yxy(20.0392, 0.3595, 0.1777)	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(20.0392, 0.3595, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	E00FC1
RGB	224, 15, 193
RGB Percent	88%, 6%, 76%
CMY	0.1215, 0.9414, 0.2431
CMYK	0.00, 0.93, 0.14, 0.12
HSL	309°, 87%, 47%
HSV	309°, 93%, 88%
XYZ	40.5408, 20.0392, 52.1899
YIQ	97.7830, 67.4260, 99.6660

Conversions

Conversions Part 2

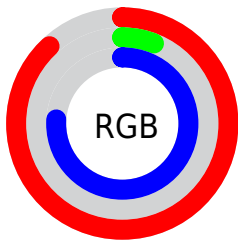
Format	Color
R_{YB}	224, 15, 193
Decimal	14684097
CIE _{Lab}	51.88, 83.78, -39.48
CIE _{LCh}	52, 92.620, 334.767
Yxy	20.0392, 0.3595, 0.1777
Android (android.graphics.Color)	4292874177 (0xFFE00FC1)
YUV	97.7830, 46.9420, 110.6923
Hunter-Lab	44.7652, 83.3162, -37.7882

Details

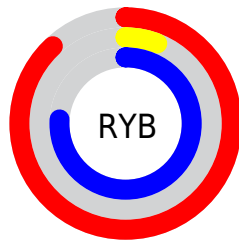
The Yxy color **20.0392, 0.3595, 0.1777** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **53.6162, 0.2958, 0.5799**, and the grayscale version is **12.0191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0858, 0.3240, 0.1908**, and **9.7566, 0.3632, 0.1774** is the 20% darker color. If you saturate the color by 10%, you get **19.6020, 0.3629, 0.1773**, and if you desaturate by 10%, it is **21.1948, 0.3542, 0.1812**.

Distribution



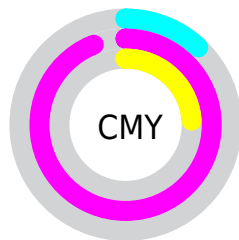
- Red (88%)
- Green (6%)
- Blue (76%)



- Red (88%)
- Yellow (6%)
- Blue (76%)



- Cyan (0%)
- Magenta (93%)
- Yellow (14%)
- Black (12%)





- Cyan (12%)
- Magenta (94%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0392, 0.3595, 0.1777 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 20.0392, 0.3595, 0.1777 by changing the saturation by 10% instead.


 20.0392, 0.3595,
0.1777


 20.0392, 0.3595,
0.1777


252.1273, 0.3382,
0.2512


 12.4235, 0.3639,
0.1606


 43.4829, 0.3524,
0.2036


 7.0328, 0.3690,
0.1397


 60.0797, 0.3495,
0.2136


 3.4826, 0.3746,
0.1138


 80.4391, 0.3470,
0.2221

 1.3886, 0.3801,
0.0818

 104.9453, 0.3448,
0.2295

 0.2083, 0.3905,
0.0257

 133.9829, 0.3429,
0.2360

 0.0000, 0.3790,
0.0000

 167.9361, 0.3412,


 0.0000, 0.1941,

0.2416


0.0000


207.1894, 0.3396,
0.2467

 0.0000, 0.0000,
0.0000


 20.0392, 0.3595,
0.1777


 20.0392, 0.3595,
0.1777

 19.6020, 0.3629,
0.1773

 21.1948, 0.3542,
0.1812

 23.2086, 0.3485,
0.1893

 26.2169, 0.3428,
0.2017

 30.3316, 0.3371,
0.2179

 35.6495, 0.3316,
0.2368

■ 42.2568, 0.3264,
0.2576

■ 50.2319, 0.3217,
0.2792

■ 59.6470, 0.3175,
0.3009

■ 70.5689, 0.3138,
0.3221

Harmonies

Analogous

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



20.0392, 0.2097, 0.1341



20.0392, 0.3595, 0.1777



20.0392, 0.5340, 0.2468

Triad

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



20.0392, 0.3595, 0.1777



20.0392, 0.4674, 0.5326



20.0392, 0.0817, 0.2122

Complementary

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



20.0392, 0.3595, 0.1777



53.6162, 0.2958, 0.5799

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.



20.0392, 0.1162, 0.3812



20.0392, 0.3595, 0.1777



20.0392, 0.3332, 0.6371

Square

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



20.0392, 0.3595, 0.1777



20.0392, 0.5767, 0.4151



20.0392, 0.2078, 0.6016



20.0392, 0.0865, 0.1405

Rectangle

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



20.0392, 0.3595, 0.1777



20.0392, 0.6048, 0.2982



20.0392, 0.2078, 0.6016



20.0392, 0.0879, 0.2555

Sweetspot

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



20.0402, 0.3595, 0.1777



61.9318, 0.3240, 0.2686



6.2323, 0.1592, 0.0679



12.2967, 0.3260, 0.2592



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.



20.0402, 0.3595, 0.1777



26.2795, 0.3632, 0.1775



16.9552, 0.5350, 0.2763



13.8989, 0.3160, 0.3093



11.4218, 0.3622, 0.1769



0.8013, 0.3548, 0.1728

Inverse Universe

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



20.0402, 0.3595, 0.1777



26.2795, 0.3632, 0.1775



55.5371, 0.2583, 0.4462



13.8989, 0.3160, 0.3093



11.4218, 0.3622, 0.1769



0.8013, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 20.0392, 0.3595, 0.1777 looks on a white background.

Color Contrast Check

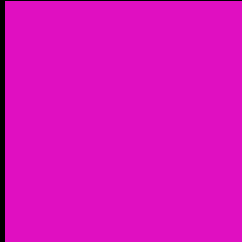
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0392, 0.3595, 0.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

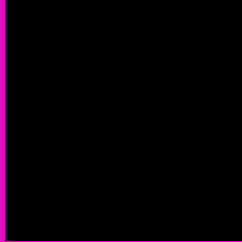
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0392, 0.3595, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 20.0392, 0.3595, 0.1777.



This preview shows how white text looks on a background with the Yxy color 20.0392, 0.3595, 0.1777.

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

20.0392, 0.3595, 0.1777

Protanopia

20.7311, 0.1743, 0.1450

Deuteranopia

20.5763, 0.2385, 0.2333



Tritanopia

20.1980, 0.5134, 0.3254

Trichromacy



Original Color

20.0392, 0.3595, 0.1777



Protanomaly

13.9846, 0.1911, 0.1231



Deuteranomaly

15.9544, 0.2719, 0.1824



Tritanomaly

18.9489, 0.4624, 0.2596

Monochromacy



Original Color

20.0392, 0.3595, 0.1777



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.7570, 0.3354, 0.2215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0392, 0.3595, 0.1777 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(224, 15, 193)` looks like.

```
.text, #text, p{  
    color:rgb(224, 15, 193)  
}
```

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(224, 15, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 15, 193) }
```

Border

The CSS property to change the border of an element to Yxy 20.0392, 0.3595, 0.1777 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(224, 15, 193) }
```

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

```
.border{ border-color:rgb(224, 15, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 15, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 15, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 15, 193);  
box-shadow:4px 4px 4px 4px rgb(224, 15,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0392, 0.3595, 0.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 15, 193) }
```

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

```
.background{ background-color: rgb(224, 15,  
193) }
```

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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