

Converting Colors

$Yxy(20.5424, 0.4006, 0.1981)$

Have a look what the booklet for
Yxy(20.5424, 0.4006, 0.1981)
contains.

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Color

Yxy(20.5484, 0.4000, 0.1977)

Conversions

Conversions Part 1

Format	Color
Hex	EA00AE
RGB	234, 0, 174
RGB Percent	92%, 0%, 68%
CMY	0.0823, 1.0000, 0.3177
CMYK	0.00, 1.00, 0.26, 0.08
HSL	315°, 100%, 46%
HSV	315°, 100%, 92%
XYZ	41.5749, 20.5484, 41.8140
YIQ	89.8020, 83.6100, 103.7220

Conversions

Conversions Part 2

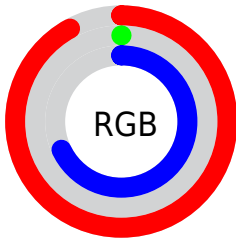
Format	Color
RYB	234, 0, 174
Decimal	15335598
CIELab	52.45, 84.50, -27.35
CIELCh	52, 88.815, 342.063
Yxy	20.5484, 0.4000, 0.1977
Android (android.graphics.Color)	4293525678 (0xFFEA00AE)
YUV	89.8020, 41.5096, 126.4616
Hunter-Lab	45.3303, 84.3839, -22.9595

Details

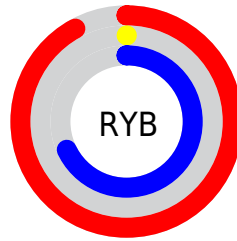
The Yxy color **20.5484, 0.4000, 0.1977** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **59.1819, 0.2921, 0.5716**, and the grayscale version is **10.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5226, 0.3439, 0.2043**, and **10.2647, 0.4143, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **20.5509, 0.4000, 0.1977**, and if you desaturate by 10%, it is **21.4192, 0.3899, 0.1965**.

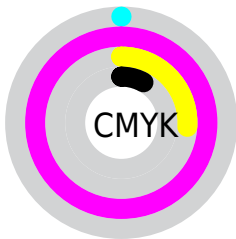
Distribution



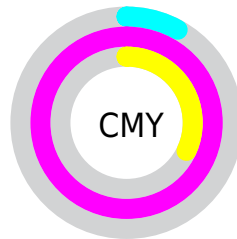
- Red (92%)
- Green (0%)
- Blue (68%)



- Red (92%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5484, 0.4000, 0.1977 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 20.5484, 0.4000, 0.1977 by changing the saturation by 10% instead.


 20.5484, 0.4000,
0.1977


 20.5484, 0.4000,
0.1977


254.8687, 0.3551,
0.2633


 12.7943, 0.4114,
0.1818

 44.3347, 0.3835,
0.2213


 7.2871, 0.4261,
0.1618


 61.1357, 0.3773,
0.2302


 3.6423, 0.4457,
0.1362


 81.7212, 0.3721,
0.2378

 1.4755, 0.4724,
0.1032

 106.4755, 0.3677,
0.2444

 0.2714, 0.5206,
0.0421

 135.7829, 0.3639,
0.2500

 0.0000, 0.5728,
0.0000

 170.0280, 0.3606,

 0.0000, 1.0000,

0.2550

0.0000

209.5951, 0.3577,
0.2594

■ 0.0000, 0.0000,
0.0000

■ 20.5484, 0.4000,
0.1977

■ 20.5484, 0.4000,
0.1977

■ 20.5509, 0.4000,
0.1977

■ 21.4192, 0.3899,
0.1965

■ 23.0576, 0.3794,
0.1997

■ 25.7070, 0.3688,
0.2077

■ 29.5082, 0.3584,
0.2199

■ 34.5797, 0.3486,
0.2354

■ 41.0251, 0.3395,
0.2532

■ 48.9373, 0.3314,
0.2722

■ 58.4013, 0.3242,
0.2916

■ 69.4952, 0.3180,
0.3106

Harmonies

Analogous

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



20.5484, 0.2435, 0.1477



20.5484, 0.4000, 0.1977



20.5484, 0.5551, 0.2693

Triad

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



20.5484, 0.4000, 0.1977



20.5484, 0.4359, 0.5573



20.5484, 0.0864, 0.1942

Complementary

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



20.5484, 0.4000, 0.1977



59.1819, 0.2921, 0.5716

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.



20.5484, 0.1105, 0.3310



20.5484, 0.4000, 0.1977



20.5484, 0.3066, 0.6340

Square

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



20.5484, 0.4000, 0.1977



20.5484, 0.5486, 0.4424



20.5484, 0.1878, 0.5438



20.5484, 0.0984, 0.1387

Rectangle

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



20.5484, 0.4000, 0.1977



20.5484, 0.6033, 0.3210



20.5484, 0.1878, 0.5438



20.5484, 0.0897, 0.2285

Sweetspot

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



20.5509, 0.4000, 0.1977



59.3201, 0.3315, 0.2719



6.8562, 0.1634, 0.0674



11.7795, 0.3348, 0.2638



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.



20.5509, 0.4000, 0.1977



24.9598, 0.4004, 0.1980



17.8060, 0.5965, 0.3060



15.2439, 0.3177, 0.3116



11.5681, 0.3985, 0.1969



0.9238, 0.3853, 0.1896

Inverse Universe

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



20.5509, 0.4000, 0.1977



24.9598, 0.4004, 0.1980



61.9707, 0.2481, 0.4131



15.2439, 0.3177, 0.3116



11.5681, 0.3985, 0.1969



0.9238, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 20.5484, 0.4000, 0.1977 looks on a white background.

Color Contrast Check

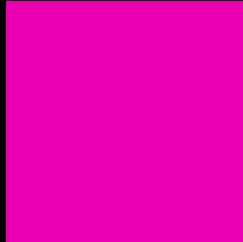
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5484, 0.4000, 0.1977 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 20.5484, 0.4000, 0.1977

Background



This preview shows how black text looks on a background with the Yxy color 20.5484, 0.4000, 0.1977.



This preview shows how white text looks on a background with the Yxy color 20.5484, 0.4000, 0.1977.

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

20.5484, 0.4000, 0.1977

Protanopia

21.5851, 0.1833, 0.1568

Deuteranopia

21.0527, 0.2689, 0.2625



Tritanopia

20.8929, 0.5425, 0.3270

Trichromacy



Original Color

20.5484, 0.4000, 0.1977



Protanomaly

14.4676, 0.2163, 0.1354



Deuteranomaly

15.9591, 0.3106, 0.2026



Tritanomaly

19.5635, 0.5004, 0.2721

Monochromacy



Original Color

20.5484, 0.4000, 0.1977



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.0575, 0.3547, 0.2220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5484, 0.4000, 0.1977 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(234, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 174)  
}
```

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(234, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 174) }
```

Border

The CSS property to change the border of an element to Yxy 20.5484, 0.4000, 0.1977 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(234, 0, 174) }
```

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

```
.border{ border-color:rgb(234, 0, 174) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(234, 0,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5484, 0.4000, 0.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 174) }
```

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

```
.background{ background-color: rgb(234, 0,  
174) }
```

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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