

Converting Colors

$Yxy(21.4897, 0.3554, 0.1732)$

Have a look what the booklet for
Yxy(21.4897, 0.3554, 0.1732)
contains.

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Color

Yxy(21.4676, 0.3557, 0.1733)

Conversions

Conversions Part 1

Format	Color
Hex	E800CB
RGB	232, 0, 203
RGB Percent	91%, 0%, 80%
CMY	0.0902, 1.0000, 0.2038
CMYK	0.00, 1.00, 0.12, 0.09
HSL	307°, 100%, 45%
HSV	307°, 100%, 91%
XYZ	44.0625, 21.4676, 58.3453
YIQ	92.5100, 73.1090, 112.3170

Conversions

Conversions Part 2

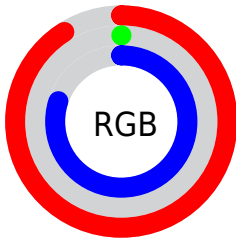
Format	Color
R_{YB}	232, 0, 203
Decimal	15204555
CIE _{Lab}	53.46, 87.59, -42.69
CIE _{LCh}	53, 97.438, 334.014
Yxy	21.4676, 0.3557, 0.1733
Android (android.graphics.Color)	4293394635 (0xFFE800CB)
YUV	92.5100, 54.4716, 122.3327
Hunter-Lab	46.3331, 88.6691, -42.2281

Details

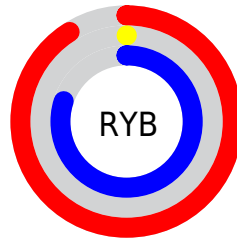
The Yxy color **21.4676, 0.3557, 0.1733** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **57.8036, 0.2977, 0.5918**, and the grayscale version is **10.6866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.7960, 0.3578, 0.1745** is the 20% darker color. If you saturate the color by 10%, you get **21.4700, 0.3557, 0.1733**, and if you desaturate by 10%, it is **22.2302, 0.3515, 0.1747**.

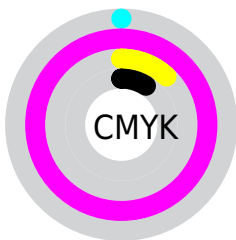
Distribution



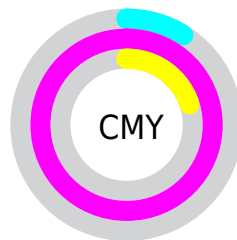
- Red (91%)
- Green (0%)
- Blue (80%)



- Red (91%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4676, 0.3557, 0.1733 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 21.4676, 0.3557, 0.1733 by changing the saturation by 10% instead.


 21.4676, 0.3557,
0.1733


 21.4676, 0.3557,
0.1733


259.7532, 0.3371,
0.2475


 13.4662, 0.3593,
0.1565


 45.8645, 0.3497,
0.1991


 7.7504, 0.3632,
0.1361


 63.0287, 0.3472,
0.2091

 3.9356, 0.3672,
0.1111


 84.0161, 0.3450,
0.2178

 1.6376, 0.3706,
0.0808

 109.2110, 0.3431,
0.2253

 0.3828, 0.3740,
0.0374

 138.9977, 0.3413,
0.2319

 0.0000, 0.3652,
0.0000

173.7607, 0.3397,

 0.0000, 0.2863,

0.2377

0.0000

213.8844, 0.3383,
0.2428

■ 0.0000, 0.0000,
0.0000

■ 21.4676, 0.3557,
0.1733

■ 21.4676, 0.3557,
0.1733

■ 21.4700, 0.3557,
0.1733

■ 22.2302, 0.3515,
0.1747

■ 23.7369, 0.3470,
0.1800

■ 26.2267, 0.3422,
0.1898

■ 29.8373, 0.3373,
0.2038

■ 34.6845, 0.3325,
0.2213

■ 40.8696, 0.3278,
0.2413

■ 48.4837, 0.3234,
0.2630

■ 57.6095, 0.3195,
0.2853

■ 68.3238, 0.3159,
0.3075

Harmonies

Analogous

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



21.4676, 0.2044, 0.1302



21.4676, 0.3557, 0.1733



21.4676, 0.5359, 0.2426

Triad

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



21.4676, 0.3557, 0.1733



21.4676, 0.4701, 0.5299



21.4676, 0.0783, 0.2116

Complementary

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



21.4676, 0.3557, 0.1733



57.8036, 0.2977, 0.5918

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.



21.4676, 0.1135, 0.3878



21.4676, 0.3557, 0.1733



21.4676, 0.3340, 0.6422

Square

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



21.4676, 0.3557, 0.1733



21.4676, 0.5828, 0.4111



21.4676, 0.2069, 0.6148



21.4676, 0.0826, 0.1379

Rectangle

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



21.4676, 0.3557, 0.1733



21.4676, 0.6102, 0.2940



21.4676, 0.2069, 0.6148



21.4676, 0.0846, 0.2565

Sweetspot

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



21.4700, 0.3557, 0.1733



59.9202, 0.3235, 0.2626



6.0603, 0.1536, 0.0620



11.9244, 0.3253, 0.2533



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.



21.4700, 0.3557, 0.1733



26.5966, 0.3559, 0.1734



17.8765, 0.5482, 0.2793



14.5826, 0.3157, 0.3087



11.9318, 0.3551, 0.1730



0.8905, 0.3494, 0.1698

Inverse Universe

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



21.4700, 0.3557, 0.1733



26.5966, 0.3559, 0.1734



59.7004, 0.2616, 0.4618



14.5826, 0.3157, 0.3087



11.9318, 0.3551, 0.1730



0.8905, 0.3494, 0.1698

Previews

White Background



This preview shows how the Yxy color 21.4676, 0.3557, 0.1733 looks on a white background.

Color Contrast Check

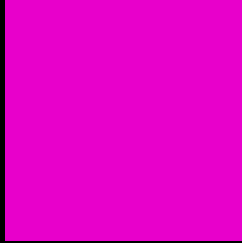
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4676, 0.3557, 0.1733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

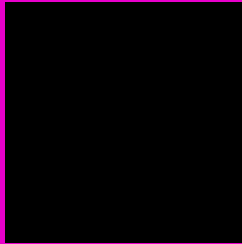
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4676, 0.3557, 0.1733

Background



This preview shows how black text looks on a background with the Yxy color 21.4676, 0.3557, 0.1733.



This preview shows how white text looks on a background with the Yxy color 21.4676, 0.3557, 0.1733.

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

21.4676, 0.3557, 0.1733

Protanopia

22.4451, 0.1807, 0.1533

Deuteranopia

22.0835, 0.2338, 0.2273



Tritanopia

21.7654, 0.5117, 0.3245

Trichromacy



Original Color

21.4676, 0.3557, 0.1733



Protanomaly

15.3042, 0.2049, 0.1263



Deuteranomaly

16.3090, 0.2667, 0.1715



Tritanomaly

19.9337, 0.4607, 0.2542

Monochromacy



Original Color

21.4676, 0.3557, 0.1733



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7507, 0.3365, 0.2091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4676, 0.3557, 0.1733 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 203) }
```

Border

The CSS property to change the border of an element to Yxy 21.4676, 0.3557, 0.1733 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, 203) }
```

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

```
.border{ border-color:rgb(232, 0, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4676, 0.3557, 0.1733 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, 203) }
```

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

```
.background{ background-color: rgb(232, 0,  
203) }
```

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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