

Converting Colors

$Yxy(21.2562, 0.3744, 0.1854)$

Have a look what the booklet for
Yxy(21.2562, 0.3744, 0.1854)
contains.

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Color

Yxy(21.3043, 0.3745, 0.1854)

Conversions

Conversions Part 1

Format	Color
Hex	E90CBE
RGB	233, 12, 190
RGB Percent	91%, 5%, 75%
CMY	0.0862, 0.9531, 0.2548
CMYK	0.00, 0.95, 0.18, 0.09
HSL	312°, 90%, 48%
HSV	312°, 95%, 91%
XYZ	43.0338, 21.3043, 50.5719
YIQ	98.3710, 74.5780, 102.2100

Conversions

Conversions Part 2

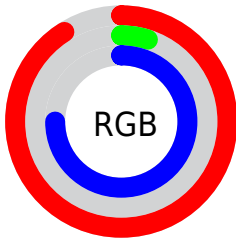
Format	Color
R_{YB}	233, 12, 190
Decimal	15273150
CIE _{Lab}	53.28, 85.31, -35.44
CIE _{LCh}	53, 92.380, 337.443
Yxy	21.3043, 0.3745, 0.1854
Android (android.graphics.Color)	4293463230 (0xFFE90CBE)
YUV	98.3710, 45.1731, 118.0696
Hunter-Lab	46.1566, 85.6492, -32.6520

Details

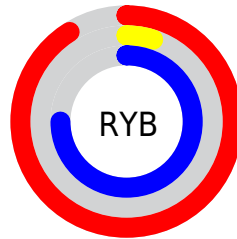
The Yxy color **21.3043, 0.3745, 0.1854** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **58.6355, 0.2940, 0.5751**, and the grayscale version is **12.1759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0897, 0.3268, 0.1936**, and **10.5482, 0.3818, 0.1877** is the 20% darker color. If you saturate the color by 10%, you get **20.9429, 0.3781, 0.1857**, and if you desaturate by 10%, it is **22.4618, 0.3672, 0.1874**.

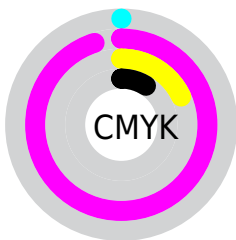
Distribution



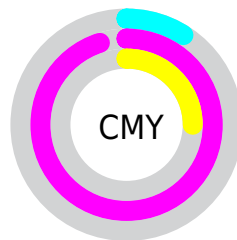
- Red (91%)
- Green (5%)
- Blue (75%)



- Red (91%)
- Yellow (5%)
- Blue (75%)



- Cyan (0%)
- Magenta (95%)
- Yellow (18%)
- Black (9%)




- Cyan (9%)
- Magenta (95%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3043, 0.3745, 0.1854 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 21.3043, 0.3745, 0.1854 by changing the saturation by 10% instead.


 21.3043, 0.3745,
0.1854


 21.3043, 0.3745,
0.1854


258.8913, 0.3448,
0.2553


 13.3466, 0.3814,
0.1691


 45.5934, 0.3641,
0.2101

 7.6677, 0.3897,
0.1489


 62.6937, 0.3600,
0.2196


 3.8830, 0.4000,
0.1237


 83.6102, 0.3566,
0.2277

 1.6084, 0.4127,
0.0922

 108.7274, 0.3536,
0.2347

 0.3632, 0.4322,
0.0432

 138.4298, 0.3509,
0.2408

 0.0000, 0.4469,
0.0000

173.1016, 0.3486,

 0.0000, 0.4117,

0.2462

0.0000

213.1273, 0.3466,
0.2510

■ 0.0000, 0.0000,
0.0000

■ 21.3043, 0.3745,
0.1854

■ 21.3043, 0.3745,
0.1854

■ 20.9429, 0.3781,
0.1857

■ 22.4618, 0.3672,
0.1874

■ 24.5344, 0.3596,
0.1941

■ 27.6784, 0.3519,
0.2052

■ 32.0205, 0.3444,
0.2202

■ 37.6695, 0.3372,
0.2381

■ 44.7222, 0.3306,
0.2578

■ 53.2662, 0.3246,
0.2784

■ 63.3817, 0.3193,
0.2992

■ 75.1434, 0.3147,
0.3194

Harmonies

Analogous

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



21.3043, 0.2222, 0.1394



21.3043, 0.3745, 0.1854



21.3043, 0.5418, 0.2555

Triad

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



21.3043, 0.3745, 0.1854



21.3043, 0.4565, 0.5430



21.3043, 0.0838, 0.2054

Complementary

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



21.3043, 0.3745, 0.1854



58.6355, 0.2940, 0.5751

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.



21.3043, 0.1145, 0.3614



21.3043, 0.3745, 0.1854



21.3043, 0.3238, 0.6364

Square

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



21.3043, 0.3745, 0.1854



21.3043, 0.5657, 0.4252



21.3043, 0.2008, 0.5796



21.3043, 0.0912, 0.1401

Rectangle

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



21.3043, 0.3745, 0.1854



21.3043, 0.6040, 0.3069



21.3043, 0.2008, 0.5796



21.3043, 0.0889, 0.2451

Sweetspot

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



21.3054, 0.3745, 0.1854



61.7328, 0.3265, 0.2717



6.8881, 0.1616, 0.0684



12.2481, 0.3291, 0.2627



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.



21.3054, 0.3745, 0.1854



25.6878, 0.3785, 0.1858



18.1952, 0.5590, 0.2884



15.2606, 0.3168, 0.3102



11.9003, 0.3771, 0.1851



0.9473, 0.3678, 0.1800

Inverse Universe

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



21.3054, 0.3745, 0.1854



25.6878, 0.3785, 0.1858



61.0048, 0.2538, 0.4313



15.2606, 0.3168, 0.3102



11.9003, 0.3771, 0.1851



0.9473, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 21.3043, 0.3745, 0.1854 looks on a white background.

Color Contrast Check

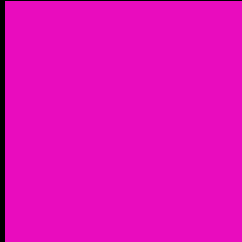
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3043, 0.3745, 0.1854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

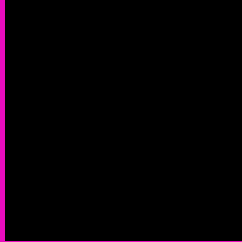
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3043, 0.3745, 0.1854

Background



This preview shows how black text looks on a background with the Yxy color 21.3043, 0.3745, 0.1854.



This preview shows how white text looks on a background with the Yxy color 21.3043, 0.3745, 0.1854.

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

21.3043, 0.3745, 0.1854

Protanopia

22.1275, 0.1797, 0.1517

Deuteranopia

21.8378, 0.2498, 0.2445



Tritanopia

21.4586, 0.5253, 0.3248

Trichromacy



Original Color

21.3043, 0.3745, 0.1854



Protanomaly

15.3355, 0.2063, 0.1314



Deuteranomaly

16.9423, 0.2869, 0.1914



Tritanomaly

20.1429, 0.4764, 0.2644

Monochromacy



Original Color

21.3043, 0.3745, 0.1854



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.8560, 0.3435, 0.2246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3043, 0.3745, 0.1854 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(233, 12, 190)` looks like.

```
.text, #text, p{  
    color:rgb(233, 12, 190)  
}
```

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(233, 12, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 12, 190) }
```

Border

The CSS property to change the border of an element to Yxy 21.3043, 0.3745, 0.1854 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(233, 12, 190) }
```

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

```
.border{ border-color:rgb(233, 12, 190) }
```

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

Here you see how a box with a 4 pixel rgb(233, 12, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 12, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 12, 190);  
box-shadow:4px 4px 4px 4px rgb(233, 12,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3043, 0.3745, 0.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 12, 190) }
```

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

```
.background{ background-color: rgb(233, 12,  
190) }
```

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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