

Converting Colors

$Yxy(21.5863, 0.4044, 0.2001)$

Have a look what the booklet for
Yxy(21.5863, 0.4044, 0.2001)
contains.

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Color

Yxy(21.6204, 0.4054, 0.2007)

Conversions

Conversions Part 1

Format	Color
Hex	F000AF
RGB	240, 0, 175
RGB Percent	94%, 0%, 69%
CMY	0.0589, 0.9996, 0.3137
CMYK	0.00, 1.00, 0.27, 0.06
HSL	316°, 100%, 47%
HSV	316°, 100%, 94%
XYZ	43.6717, 21.6204, 42.4329
YIQ	91.7100, 86.8650, 105.3050

Conversions

Conversions Part 2

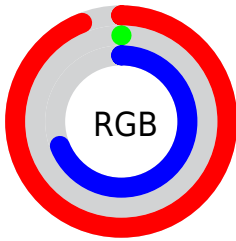
Format	Color
R_{YB}	240, 0, 175
Decimal	15728815
CIE _{Lab}	53.62, 85.73, -26.05
CIE _{LCh}	54, 89.601, 343.099
Yxy	21.6204, 0.4054, 0.2007
Android (android.graphics.Color)	4293918895 (0xFFFF00AF)
YUV	91.7100, 41.0620, 130.0503
Hunter-Lab	46.4977, 86.2801, -21.5584

Details

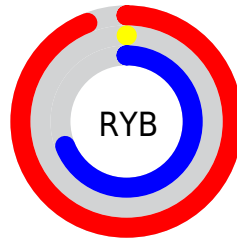
The Yxy color **21.6204, 0.4054, 0.2007** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **62.6991, 0.2913, 0.5688**, and the grayscale version is **10.5352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9532, 0.3427, 0.2049**, and **10.9888, 0.4213, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **21.6184, 0.4054, 0.2007**, and if you desaturate by 10%, it is **22.5384, 0.3945, 0.1991**.

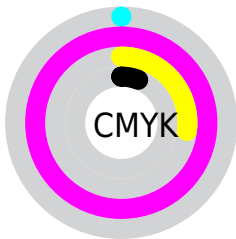
Distribution



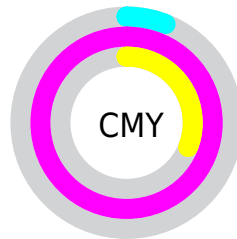
- Red (94%)
- Green (0%)
- Blue (69%)



- Red (94%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6204, 0.4054, 0.2007 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 21.6204, 0.4054, 0.2007 by changing the saturation by 10% instead.


 21.6204, 0.4054,
0.2007


 21.6204, 0.4054,
0.2007


260.5574, 0.3576,
0.2645


 13.5782, 0.4176,
0.1852


 46.1178, 0.3878,
0.2236

 7.8279, 0.4333,
0.1658

 63.3418, 0.3813,
0.2323


 3.9850, 0.4542,
0.1410


 84.3953, 0.3758,
0.2397

 1.6652, 0.4831,
0.1088

 109.6625, 0.3711,
0.2461

 0.4010, 0.5306,
0.0566

 139.5280, 0.3670,
0.2516

 0.0000, 0.5973,
0.0000

174.3760, 0.3635,

 0.0000, 1.0000,

0.2565

0.0000

214.5910, 0.3604,
0.2607

■ 0.0000, 0.0000,
0.0000

■ 21.6204, 0.4054,
0.2007

■ 21.6204, 0.4054,
0.2007

■ 21.6184, 0.4054,
0.2007

■ 22.5384, 0.3945,
0.1991

■ 24.2771, 0.3833,
0.2020

■ 27.0893, 0.3720,
0.2097

■ 31.1249, 0.3609,
0.2217

■ 36.5100, 0.3504,
0.2370

■ 43.3549, 0.3408,
0.2545

■ 51.7585, 0.3322,
0.2732

■ 61.8111, 0.3247,
0.2923

■ 73.5958, 0.3182,
0.3110

Harmonies

Analogous

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



21.6204, 0.2485, 0.1498



21.6204, 0.4054, 0.2007



21.6204, 0.5572, 0.2726

Triad

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



21.6204, 0.4054, 0.2007



21.6204, 0.4310, 0.5596



21.6204, 0.0873, 0.1922

Complementary

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



21.6204, 0.4054, 0.2007



62.6991, 0.2913, 0.5688

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.



21.6204, 0.1101, 0.3248



21.6204, 0.4054, 0.2007



21.6204, 0.3030, 0.6321

Square

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



21.6204, 0.4054, 0.2007



21.6204, 0.5442, 0.4461



21.6204, 0.1853, 0.5350



21.6204, 0.1004, 0.1387

Rectangle

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



21.6204, 0.4054, 0.2007



21.6204, 0.6023, 0.3243



21.6204, 0.1853, 0.5350



21.6204, 0.0903, 0.2253

Sweetspot

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



21.6216, 0.4054, 0.2007



59.2566, 0.3324, 0.2730



7.3853, 0.1650, 0.0683



11.7643, 0.3359, 0.2650



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.



21.6216, 0.4054, 0.2007



24.8019, 0.4058, 0.2009



18.8124, 0.6017, 0.3088



15.9541, 0.3179, 0.3119



11.8585, 0.4038, 0.1998



1.0031, 0.3903, 0.1924

Inverse Universe

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



21.6216, 0.4054, 0.2007



24.8019, 0.4058, 0.2009



65.7779, 0.2464, 0.4072



15.9541, 0.3179, 0.3119



11.8585, 0.4038, 0.1998



1.0031, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 21.6204, 0.4054, 0.2007 looks on a white background.

Color Contrast Check

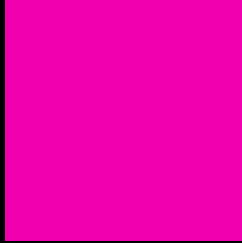
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6204, 0.4054, 0.2007 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 21.6204, 0.4054, 0.2007

Background



This preview shows how black text looks on a background with the Yxy color 21.6204, 0.4054, 0.2007.



This preview shows how white text looks on a background with the Yxy color 21.6204, 0.4054, 0.2007.

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

21.6204, 0.4054, 0.2007

Protanopia

22.6911, 0.1861, 0.1602

Deuteranopia

22.1442, 0.2725, 0.2670



Tritanopia

21.8799, 0.5469, 0.3271

Trichromacy



Original Color

21.6204, 0.4054, 0.2007



Protanomaly

15.3712, 0.2215, 0.1389



Deuteranomaly

16.8190, 0.3158, 0.2064



Tritanomaly

20.5677, 0.5061, 0.2745

Monochromacy



Original Color

21.6204, 0.4054, 0.2007



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.6441, 0.3591, 0.2258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6204, 0.4054, 0.2007 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(240, 0, 175)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 175)  
}
```

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(240, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 175) }
```

Border

The CSS property to change the border of an element to Yxy 21.6204, 0.4054, 0.2007 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(240, 0, 175) }
```

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

```
.border{ border-color:rgb(240, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6204, 0.4054, 0.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 175) }
```

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

```
.background{ background-color: rgb(240, 0,  
175) }
```

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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