

Converting Colors

$Y_{xy}(21.4035, 0.4510, 0.2375)$

Have a look what the booklet for
Yxy(21.4035, 0.4510, 0.2375)
contains.

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Color

Yxy(21.3739, 0.4512, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	ED268F
RGB	237, 38, 143
RGB Percent	93%, 15%, 56%
CMY	0.0707, 0.8507, 0.4392
CMYK	0.00, 0.84, 0.40, 0.07
HSL	328°, 85%, 54%
HSV	328°, 84%, 93%
XYZ	40.5717, 21.3739, 27.9740
YIQ	109.4710, 84.8990, 74.8430

Conversions

Conversions Part 2

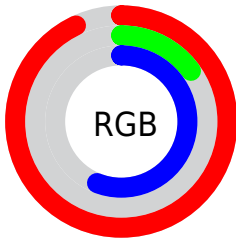
Format	Color
R_{YB}	237, 38, 143
Decimal	15541903
CIE _{Lab}	53.36, 77.52, -7.56
CIE _{LCh}	53, 77.890, 354.427
Yxy	21.3739, 0.4512, 0.2377
Android (android.graphics.Color)	4293731983 (0xFFED268F)
YUV	109.4710, 16.5298, 111.8429
Hunter-Lab	46.2319, 75.7404, -3.5128

Details

The Yxy color **21.3739, 0.4512, 0.2377** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **62.6387, 0.2712, 0.4820**, and the grayscale version is **15.3774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2285, 0.3790, 0.2418**, and **9.9043, 0.4818, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **19.9861, 0.4740, 0.2415**, and if you desaturate by 10%, it is **23.7608, 0.4280, 0.2394**.

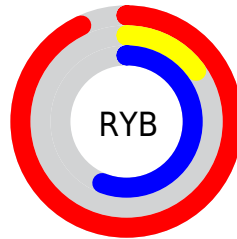
Distribution



Red (93%)

Green (15%)

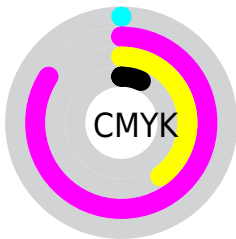
Blue (56%)



Red (93%)

Yellow (15%)

Blue (56%)

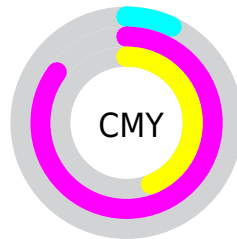


Cyan (0%)

Magenta (84%)

Yellow (40%)

Black (7%)



Cyan (7%)


Magenta (85%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3739, 0.4512, 0.2377 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 21.3739, 0.4512, 0.2377 by changing the saturation by 10% instead.


 21.3739, 0.4512,
0.2377


 21.3739, 0.4512,
0.2377


259.2589, 0.3752,
0.2864


 13.3976, 0.4724,
0.2247


 45.7090, 0.4219,
0.2561

 7.7029, 0.5009,
0.2075


 62.8365, 0.4115,
0.2628

 3.9054, 0.5409,
0.1840

 83.7833, 0.4028,
0.2684

 1.6208, 0.6004,
0.1506

 108.9337, 0.3955,
0.2731

 0.3716, 0.7084,
0.0830

 138.6720, 0.3893,
0.2772

 0.0000, 1.0000,
0.0000

173.3827, 0.3840,

 0.0000, 0.0000,

0.2807

0.0000

213.4502, 0.3793,
0.2837

■ 21.3739, 0.4512,
0.2377

■ 21.3739, 0.4512,
0.2377

■ 19.9861, 0.4740,
0.2415

■ 23.7608, 0.4280,
0.2394

■ 19.4826, 0.4874,
0.2459

■ 27.3025, 0.4056,
0.2459

■ 32.1310, 0.3850,
0.2561

■ 38.3595, 0.3665,
0.2686

■ 46.0885, 0.3505,
0.2824

■ 55.4093, 0.3369,
0.2966

■ 66.4056, 0.3255,
0.3106

■ 79.1556, 0.3160,
0.3239

■ 93.7323, 0.3081,
0.3365

Harmonies

Analogous

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



21.3739, 0.3050, 0.1803



21.3739, 0.4512, 0.2377



21.3739, 0.5582, 0.3101

Triad

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



21.3739, 0.4512, 0.2377



21.3739, 0.3861, 0.5719



21.3739, 0.1060, 0.1825

Complementary

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



21.3739, 0.4512, 0.2377



62.6387, 0.2712, 0.4820

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.



21.3739, 0.1156, 0.2741



21.3739, 0.4512, 0.2377



21.3739, 0.2695, 0.5794

Square

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



21.3739, 0.4512, 0.2377



21.3739, 0.4945, 0.4827



21.3739, 0.1693, 0.4384



21.3739, 0.1303, 0.1480

Rectangle

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



21.3739, 0.4512, 0.2377



21.3739, 0.5743, 0.3622



21.3739, 0.1693, 0.4384



21.3739, 0.1052, 0.2052

Sweetspot

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



21.3751, 0.4512, 0.2377



64.0605, 0.3384, 0.2949



12.3206, 0.2132, 0.1037



12.8503, 0.3430, 0.2899



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.



21.3751, 0.4512, 0.2377



22.9958, 0.4882, 0.2463



19.5790, 0.6015, 0.3264



15.1868, 0.3210, 0.3166



10.6653, 0.4840, 0.2440



0.8569, 0.4552, 0.2281

Inverse Universe

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



21.3751, 0.4512, 0.2377



22.9958, 0.4882, 0.2463



66.7044, 0.2297, 0.3374



15.1868, 0.3210, 0.3166



10.6653, 0.4840, 0.2440



0.8569, 0.4552, 0.2281

Previews

White Background



This preview shows how the Yxy color 21.3739, 0.4512, 0.2377 looks on a white background.

Color Contrast Check

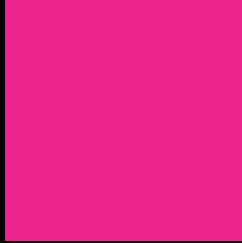
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3739, 0.4512, 0.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

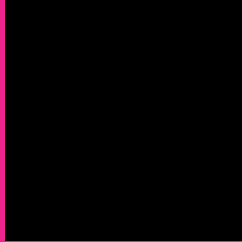
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3739, 0.4512, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 21.3739, 0.4512, 0.2377.



This preview shows how white text looks on a background with the Yxy color 21.3739, 0.4512, 0.2377.

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

21.3739, 0.4512, 0.2377

Protanopia

21.8237, 0.2282, 0.2153

Deuteranopia

21.5120, 0.3195, 0.3135



Tritanopia

21.3538, 0.5550, 0.3273

Trichromacy



Original Color

21.3739, 0.4512, 0.2377



Protanomaly

17.7991, 0.2856, 0.2049



Deuteranomaly

18.6335, 0.3676, 0.2646



Tritanomaly

21.0510, 0.5238, 0.2951

Monochromacy



Original Color

21.3739, 0.4512, 0.2377



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.8137, 0.3681, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3739, 0.4512, 0.2377 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(237, 38, 143)` looks like.

```
.text, #text, p{  
  color:rgb(237, 38, 143)  
}
```

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(237, 38, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 38, 143) }
```

Border

The CSS property to change the border of an element to Yxy 21.3739, 0.4512, 0.2377 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(237, 38, 143) }
```

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

```
.border{ border-color:rgb(237, 38, 143) }
```

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

Here you see how a box with a 4 pixel rgb(237, 38, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 38, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 38, 143);  
box-shadow:4px 4px 4px 4px rgb(237, 38,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3739, 0.4512, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 38, 143) }
```

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

```
.background{ background-color: rgb(237, 38,  
143) }
```

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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