

Converting Colors

$Y_{xy}(44.8207, 0.3250, 0.2330)$

Have a look what the booklet for
Yxy(44.8207, 0.3250, 0.2330)
contains.

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Color

Yxy(44.8146, 0.3254, 0.2334)

Conversions

Conversions Part 1

Format	Color
Hex	F58EEC
RGB	245, 142, 236
RGB Percent	96%, 56%, 93%
CMY	0.0391, 0.4432, 0.0745
CMYK	0.00, 0.42, 0.04, 0.04
HSL	305°, 84%, 76%
HSV	305°, 42%, 96%
XYZ	62.4793, 44.8146, 84.7138
YIQ	183.5130, 31.2140, 51.0700

Conversions

Conversions Part 2

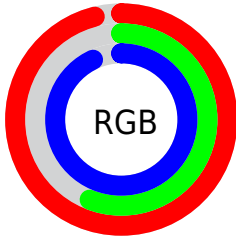
Format	Color
R _Y B	245, 142, 236
Decimal	16092908
CIE Lab	72.77, 52.12, -30.90
CIE LCh	73, 60.588, 329.340
Yxy	44.8146, 0.3254, 0.2334
Android (android.graphics.Color)	4294282988 (0xFFFF58EEC)
YUV	183.5130, 25.8761, 53.9241
Hunter-Lab	66.9437, 49.4446, -28.1678

Details

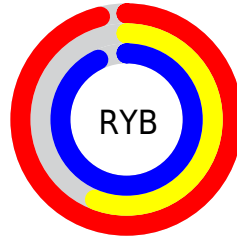
The Yxy color **44.8146, 0.3254, 0.2334** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.3130, 0.3021, 0.4483**, and the grayscale version is **47.4927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **20.8395, 0.3269, 0.2114** is the 20% darker color. If you saturate the color by 10%, you get **38.1860, 0.3290, 0.2132**, and if you desaturate by 10%, it is **53.0512, 0.3220, 0.2555**.

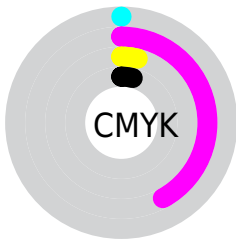
Distribution



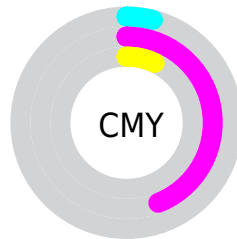
- Red (96%)
- Green (56%)
- Blue (93%)



- Red (96%)
- Yellow (56%)
- Blue (93%)



- Cyan (0%)
- Magenta (42%)
- Yellow (4%)
- Black (4%)




- Cyan (4%)
- Magenta (44%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8146, 0.3254, 0.2334 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 44.8146, 0.3254, 0.2334 by changing the saturation by 10% instead.


 44.8146, 0.3254,
0.2334


 44.8146, 0.3254,
0.2334

366.0222, 0.3207,
0.2772

 31.3114, 0.3262,
0.2236


 82.4421, 0.3240,
0.2485

 20.8361, 0.3269,
0.2116


 107.3353, 0.3234,
0.2544

 13.0042, 0.3276,
0.1966


136.7938, 0.3228,
0.2595

 7.4315, 0.3280,
0.1776

171.2023, 0.3223,
0.2639

 3.7334, 0.3276,
0.1527

210.9449, 0.3219,
0.2679

 1.5256, 0.3251,
0.1194

256.4062, 0.3214,

 0.3066, 0.3230,

0.2714

0.0553

307.9705, 0.3210,
0.2745

0.0000, 0.2783,
0.0000

0.0000, 0.0000,
0.0000

44.8146, 0.3254,
0.2334

44.8146, 0.3254,
0.2334

38.1860, 0.3290,
0.2132

53.0512, 0.3220,
0.2555

33.0532, 0.3326,
0.1959


62.9862, 0.3188,
0.2786

29.2991, 0.3361,
0.1824


74.7105, 0.3158,
0.3018

26.7869, 0.3394,
0.1732


88.3069, 0.3132,
0.3245


 25.3513, 0.3425,
0.1685


 97.6393, 0.3113,
0.3370

 24.7769, 0.3447,
0.1673

 97.7726, 0.3101,
0.3349

 97.9074, 0.3088,
0.3328

 98.0438, 0.3076,
0.3307

 98.1596, 0.3066,
0.3290

Harmonies

Analogous

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



44.8146, 0.2458, 0.2066



44.8146, 0.3254, 0.2334



44.8146, 0.4125, 0.2793

Triad

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



44.8146, 0.3254, 0.2334



44.8146, 0.4352, 0.4554



44.8146, 0.1758, 0.2889

Complementary

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



44.8146, 0.3254, 0.2334



73.3130, 0.3021, 0.4483

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.



44.8146, 0.2146, 0.3787



44.8146, 0.3254, 0.2334



44.8146, 0.3636, 0.4874

Square

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



44.8146, 0.3254, 0.2334



44.8146, 0.4776, 0.3981



44.8146, 0.2828, 0.4616



44.8146, 0.1693, 0.2293

Rectangle

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



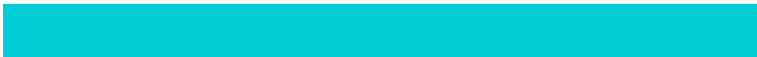
44.8146, 0.3254, 0.2334



44.8146, 0.4571, 0.3167



44.8146, 0.2828, 0.4616



44.8146, 0.1851, 0.3164

Sweetspot

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



44.8166, 0.3254, 0.2334



80.4570, 0.3161, 0.2996



32.4742, 0.2398, 0.2005



16.5857, 0.3167, 0.2944



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.



44.8166, 0.3254, 0.2334



43.0888, 0.3283, 0.2170



42.2600, 0.3754, 0.2829



16.7418, 0.3151, 0.3077



13.3535, 0.3443, 0.1670



1.1809, 0.3410, 0.1652

Inverse Universe

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



44.8166, 0.3254, 0.2334



43.0888, 0.3283, 0.2170



75.3469, 0.2760, 0.3816



16.7418, 0.3151, 0.3077



13.3535, 0.3443, 0.1670



1.1809, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 44.8146, 0.3254, 0.2334 looks on a white background.

Color Contrast Check

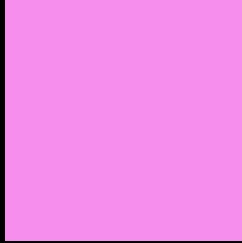
Large Text (above 18pt) WCAG AA × Fail

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 44.8146, 0.3254, 0.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

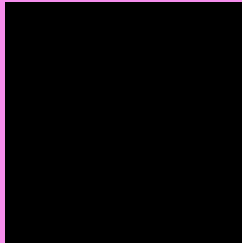
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8146, 0.3254, 0.2334

Background



This preview shows how black text looks on a background with the Yxy color 44.8146, 0.3254, 0.2334.



This preview shows how white text looks on a background with the Yxy color 44.8146, 0.3254, 0.2334.

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

44.8146, 0.3254, 0.2334

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.1989, 0.2676, 0.2620



Tritanopia

44.6086, 0.3813, 0.3157

Trichromacy



Original Color

44.8146, 0.3254, 0.2334



Protanomaly

43.8930, 0.2680, 0.2320



Deuteranomaly

44.2474, 0.2869, 0.2495



Tritanomaly

44.5087, 0.3602, 0.2831

Monochromacy



Original Color

44.8146, 0.3254, 0.2334



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.8095, 0.3173, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8146, 0.3254, 0.2334 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(245, 142, 236)` looks like.

```
.text, #text, p{  
    color:rgb(245, 142, 236)  
}
```

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(245, 142, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 142, 236) }
```

Border

The CSS property to change the border of an element to Yxy 44.8146, 0.3254, 0.2334 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(245, 142, 236) }
```

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

```
.border{ border-color:rgb(245, 142, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 142, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 142, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 142, 236);  
box-shadow:4px 4px 4px 4px rgb(245, 142,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8146, 0.3254, 0.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 142, 236) }
```

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

```
.background{ background-color: rgb(245,  
142, 236) }
```

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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