

Converting Colors

Yxy(45.3534, 0.3185, 0.2309)

Have a look what the booklet for
Yxy(45.3534, 0.3185, 0.2309)
contains.

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Color

Yxy(45.4789, 0.3182, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	F291F1
RGB	242, 145, 241
RGB Percent	95%, 57%, 95%
CMY	0.0510, 0.4313, 0.0549
CMYK	0.00, 0.40, 0.00, 0.05
HSL	301°, 79%, 76%
HSV	301°, 40%, 95%
XYZ	62.6196, 45.4789, 88.6947
YIQ	184.9470, 26.9960, 50.4200

Conversions

Conversions Part 2

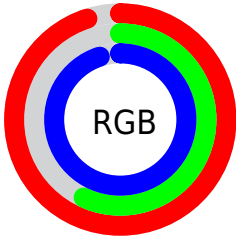
Format	Color
RYB	242, 145, 241
Decimal	15897073
CIELab	73.21, 50.56, -32.98
CIELCh	73, 60.368, 326.884
Yxy	45.4789, 0.3182, 0.2311
Android (android.graphics.Color)	4294087153 (0xFFFF291F1)
YUV	184.9470, 27.6341, 50.0355
Hunter-Lab	67.4380, 47.7296, -30.7717

Details

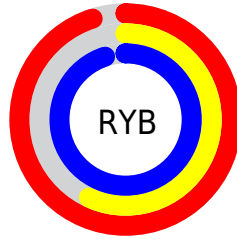
The Yxy color **45.4789, 0.3182, 0.2311** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **71.5998, 0.3064, 0.4512**, and the grayscale version is **48.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **21.1753, 0.3172, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **38.8409, 0.3195, 0.2094**, and if you desaturate by 10%, it is **53.6959, 0.3168, 0.2548**.

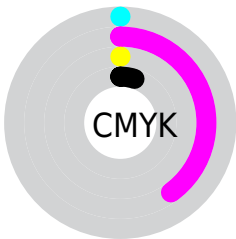
Distribution



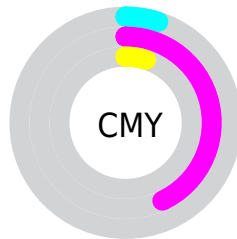
- Red (95%)
- Green (57%)
- Blue (95%)



- Red (95%)
- Yellow (57%)
- Blue (95%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (5%)





- Cyan (5%)
- Magenta (43%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4789, 0.3182, 0.2311 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 45.4789, 0.3182, 0.2311 by changing the saturation by 10% instead.

 45.4789, 0.3182,
0.2311


 45.4789, 0.3182,
0.2311


368.7097, 0.3171,
0.2758

 31.8348, 0.3181,
0.2211


 83.4386, 0.3181,
0.2464

 21.2354, 0.3178,
0.2090


 108.5230, 0.3180,
0.2524

 13.2961, 0.3170,
0.1939


138.1896, 0.3178,
0.2577

 7.6328, 0.3155,
0.1748

172.8228, 0.3177,
0.2622

 3.8609, 0.3124,
0.1499

212.8070, 0.3175,
0.2662

 1.5961, 0.3060,
0.1169

258.5266, 0.3174,

 0.3549, 0.2962,

0.2698

0.0583

310.3661, 0.3172,
0.2730

0.0000, 0.2466,
0.0000

0.0000, 0.0000,
0.0000

45.4789, 0.3182,
0.2311

45.4789, 0.3182,
0.2311

38.8409, 0.3195,
0.2094

53.6959, 0.3168,
0.2548

33.6751, 0.3207,
0.1906


63.5780, 0.3154,
0.2796

29.8708, 0.3217,
0.1756


75.2121, 0.3140,
0.3045

27.2992, 0.3225,
0.1648


88.6772, 0.3127,
0.3288


 25.8070, 0.3231,
0.1584


 96.8228, 0.3120,
0.3415

 25.1388, 0.3235,
0.1556

 96.8378, 0.3118,
0.3413

 96.8529, 0.3117,
0.3410

 96.8680, 0.3115,
0.3408

 96.8831, 0.3114,
0.3405

Harmonies

Analogous

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



45.4789, 0.2409, 0.2063



45.4789, 0.3182, 0.2311



45.4789, 0.4052, 0.2754

Triad

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



45.4789, 0.3182, 0.2311



45.4789, 0.4392, 0.4505



45.4789, 0.1787, 0.2957

Complementary

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



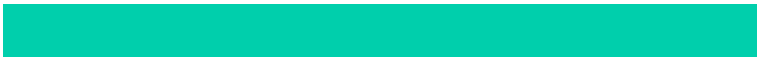
45.4789, 0.3182, 0.2311



71.5998, 0.3064, 0.4512

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.



45.4789, 0.2200, 0.3860



45.4789, 0.3182, 0.2311



45.4789, 0.3698, 0.4852

Square

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



45.4789, 0.3182, 0.2311



45.4789, 0.4779, 0.3928



45.4789, 0.2895, 0.4650



45.4789, 0.1697, 0.2336

Rectangle

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



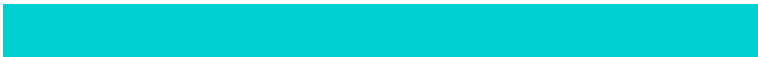
45.4789, 0.3182, 0.2311



45.4789, 0.4515, 0.3121



45.4789, 0.2895, 0.4650



45.4789, 0.1888, 0.3238

Sweetspot

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



45.4809, 0.3182, 0.2311



81.9862, 0.3143, 0.2996



32.6842, 0.2382, 0.2058



17.1675, 0.3145, 0.2964



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.



45.4809, 0.3182, 0.2311



45.0646, 0.3193, 0.2134



43.0029, 0.3629, 0.2765



16.0284, 0.3140, 0.3060



13.5062, 0.3235, 0.1556



1.1245, 0.3231, 0.1554

Inverse Universe

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



45.4809, 0.3182, 0.2311



45.0646, 0.3193, 0.2134



73.3970, 0.2816, 0.3891



16.0284, 0.3140, 0.3060



13.5062, 0.3235, 0.1556



1.1245, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 45.4789, 0.3182, 0.2311 looks on a white background.

Color Contrast Check

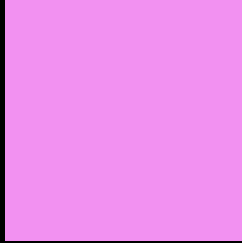
Large Text (above 18pt) WCAG AA × Fail

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 45.4789, 0.3182, 0.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

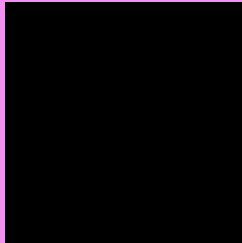
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4789, 0.3182, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 45.4789, 0.3182, 0.2311.

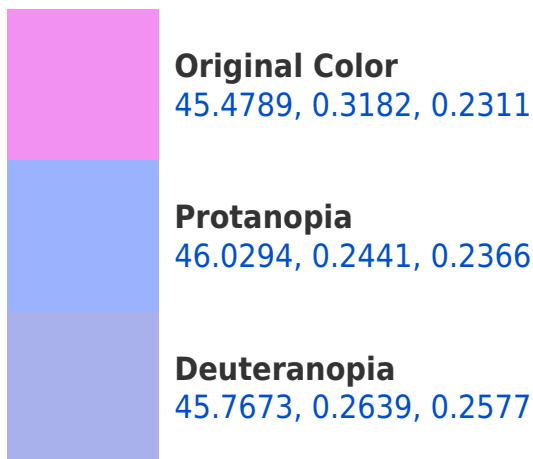


This preview shows how white text looks on a background with the Yxy color 45.4789, 0.3182, 0.2311.

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





Tritanopia

45.4438, 0.3723, 0.3155

Trichromacy



Original Color

45.4789, 0.3182, 0.2311



Protanomaly

44.7394, 0.2669, 0.2324



Deuteranomaly

44.6268, 0.2817, 0.2453



Tritanomaly

45.3068, 0.3518, 0.2826

Monochromacy



Original Color

45.4789, 0.3182, 0.2311



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.2790, 0.3156, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4789, 0.3182, 0.2311 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(242, 145, 241)` looks like.

```
.text, #text, p{  
    color:rgb(242, 145, 241)  
}
```

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(242, 145, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 145, 241) }
```

Border

The CSS property to change the border of an element to Yxy 45.4789, 0.3182, 0.2311 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(242, 145, 241) }
```

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

```
.border{ border-color:rgb(242, 145, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 145, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 145, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 145, 241);  
box-shadow:4px 4px 4px 4px rgb(242, 145,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4789, 0.3182, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 145, 241) }
```

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

```
.background{ background-color: rgb(242,  
145, 241) }
```

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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