

Converting Colors

$Y_{xy}(48.5341, 0.3161, 0.2229)$

Have a look what the booklet for
Yxy(48.5341, 0.3161, 0.2229)
contains.

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Color

Yxy(48.3534, 0.3160, 0.2225)

Conversions

Conversions Part 1

Format	Color
Hex	FD91FF
RGB	253, 145, 255
RGB Percent	99%, 57%, 100%
CMY	0.0079, 0.4313, 0.0001
CMYK	0.01, 0.43, 0.00, 0.00
HSL	299°, 100%, 78%
HSV	299°, 43%, 100%
XYZ	68.6727, 48.3534, 100.2926
YIQ	189.8320, 29.0580, 57.1060

Conversions

Conversions Part 2

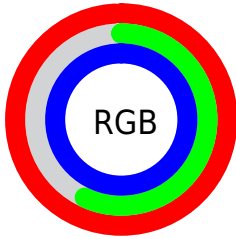
Format	Color
R _Y B	253, 145, 255
Decimal	16617983
CIE Lab	75.05, 56.22, -37.62
CIE LCh	75, 67.641, 326.211
Yxy	48.3534, 0.3160, 0.2225
Android (android.graphics.Color)	4294808063 (0xFFFD91FF)
YUV	189.8320, 32.1278, 55.3983
Hunter-Lab	69.5366, 54.5933, -36.8383

Details

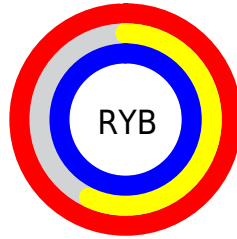
The Yxy color **48.3534, 0.3160, 0.2225** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.7483, 0.3075, 0.4635**, and the grayscale version is **51.1930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **22.8589, 0.3142, 0.1990** is the 20% darker color. If you saturate the color by 10%, you get **41.3303, 0.3165, 0.2011**, and if you desaturate by 10%, it is **57.1293, 0.3154, 0.2462**.

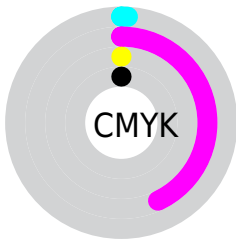
Distribution



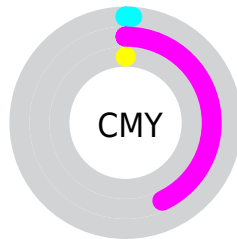
- Red (99%)
- Green (57%)
- Blue (100%)



- Red (99%)
- Yellow (57%)
- Blue (100%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3534, 0.3160, 0.2225 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 48.3534, 0.3160, 0.2225 by changing the saturation by 10% instead.

 48.3534, 0.3160,
0.2225

 48.3534, 0.3160,
0.2225


380.1912, 0.3163,
0.2701

 34.1068, 0.3155,
0.2122


 87.7303, 0.3164,
0.2386

 22.9757, 0.3147,
0.1997


 113.6295, 0.3165,
0.2450

 14.5756, 0.3133,
0.1844


144.1817, 0.3165,
0.2505

 8.5220, 0.3110,
0.1654

179.7712, 0.3165,
0.2554

 4.4308, 0.3069,
0.1411

220.7826, 0.3165,
0.2597

 1.9173, 0.2992,
0.1099

267.6001, 0.3164,

 0.5588, 0.2850,

0.2635

0.0660

320.6082, 0.3163,
0.2670

0.0000, 0.2558,
0.0000

0.0000, 0.0000,
0.0000

48.3534, 0.3160,
0.2225

48.3534, 0.3160,
0.2225

41.3303, 0.3165,
0.2011

57.1293, 0.3154,
0.2462

35.9352, 0.3168,
0.1830

67.7590, 0.3146,
0.2711

32.0373, 0.3169,
0.1688

80.3434, 0.3138,
0.2965

29.4827, 0.3168,
0.1590

94.9742, 0.3130,
0.3214

■ 28.0844, 0.3166,
0.1535

99.9978, 0.3127,
0.3290

■ 27.6076, 0.3163,
0.1516

Harmonies

Analogous

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



48.3534, 0.2328, 0.1966



48.3534, 0.3160, 0.2225



48.3534, 0.4119, 0.2692

Triad

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



48.3534, 0.3160, 0.2225



48.3534, 0.4500, 0.4577



48.3534, 0.1684, 0.2932

Complementary

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



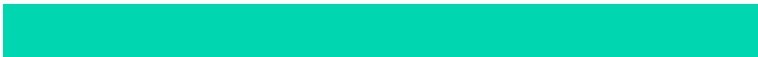
48.3534, 0.3160, 0.2225



79.7483, 0.3075, 0.4635

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.



48.3534, 0.2126, 0.3940



48.3534, 0.3160, 0.2225



48.3534, 0.3746, 0.4998

Square

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



48.3534, 0.3160, 0.2225



48.3534, 0.4927, 0.3939



48.3534, 0.2879, 0.4816



48.3534, 0.1586, 0.2257

Rectangle

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



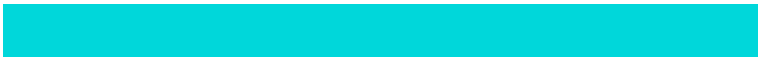
48.3534, 0.3160, 0.2225



48.3534, 0.4636, 0.3081



48.3534, 0.2879, 0.4816



48.3534, 0.1791, 0.3243

Sweetspot

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



48.3555, 0.3160, 0.2225



80.5294, 0.3138, 0.2968



34.6376, 0.2321, 0.1988



16.6037, 0.3140, 0.2912



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.



48.3555, 0.3160, 0.2225



42.0455, 0.3164, 0.2034



45.8562, 0.3648, 0.2689



18.2826, 0.3135, 0.3056



14.4375, 0.3164, 0.1517



1.4109, 0.3170, 0.1520

Inverse Universe

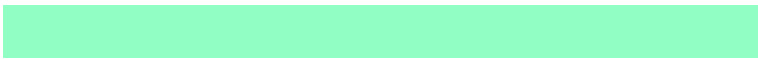
The Inverse Universe completely reimagines the original color for something new.



43.6198, 0.4248, 0.3273



36.7530, 0.4622, 0.3270



81.5216, 0.2814, 0.3994



17.9924, 0.3292, 0.3286



11.1164, 0.6382, 0.3290



1.0842, 0.6339, 0.3265

Previews

White Background



This preview shows how the Yxy color 48.3534, 0.3160, 0.2225 looks on a white background.

Color Contrast Check

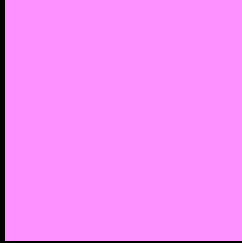
Large Text (above 18pt) WCAG AA × Fail

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 48.3534, 0.3160, 0.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

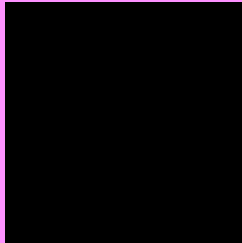
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3534, 0.3160, 0.2225

Background



This preview shows how black text looks on a background with the Yxy color 48.3534, 0.3160, 0.2225.



This preview shows how white text looks on a background with the Yxy color 48.3534, 0.3160, 0.2225.

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

48.3534, 0.3160, 0.2225

Protanopia

48.7684, 0.2494, 0.2438

Deuteranopia

48.5580, 0.2569, 0.2504



Tritanopia

48.3442, 0.3778, 0.3160

Trichromacy



Original Color

48.3534, 0.3160, 0.2225



Protanomaly

47.1980, 0.2700, 0.2328



Deuteranomaly

47.4831, 0.2755, 0.2372

Tritanomaly

47.9107, 0.3551, 0.2782

Monochromacy



Original Color

48.3534, 0.3160, 0.2225



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.2733, 0.3140, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3534, 0.3160, 0.2225 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(253, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 145, 255)  
}
```

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(253, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.3534, 0.3160, 0.2225 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(253, 145, 255) }
```

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

```
.border{ border-color:rgb(253, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3534, 0.3160, 0.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 145, 255) }
```

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

```
.background{ background-color: rgb(253,  
145, 255) }
```

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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