

Converting Colors

$Y_{xy}(52.1401, 0.3240, 0.2005)$

Have a look what the booklet for
Yxy(52.1401, 0.3240, 0.2005)
contains.

Yxy(43.6587, 0.3184, 0.2079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.6587, 0.3184, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FFF
RGB	255, 127, 255
RGB Percent	100%, 50%, 100%
CMY	0.0001, 0.5018, 0.0002
CMYK	0.00, 0.50, 0.00, 0.00
HSL	300°, 100%, 75%
HSV	300°, 50%, 100%
XYZ	66.8635, 43.6587, 99.4763
YIQ	179.8640, 35.2000, 66.9440

Conversions

Conversions Part 2

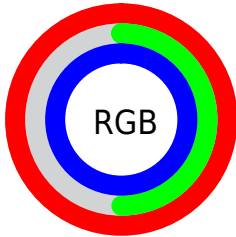
Format	Color
R _Y B	255, 127, 255
Decimal	16744447
CIE _{Lab}	72.00, 65.38, -42.34
CIE _{LCh}	72, 77.891, 327.070
Yxy	43.6587, 0.3184, 0.2079
Android (android.graphics.Color)	4294934527 (0xFFFF7FFF)
YUV	179.8640, 37.0420, 65.8943
Hunter-Lab	66.0747, 65.0002, -43.0095

Details

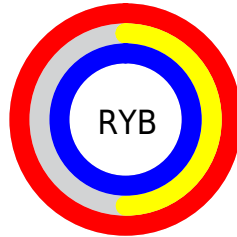
The Yxy color **43.6587, 0.3184, 0.2079** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.5453, 0.3052, 0.4896**, and the grayscale version is **45.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **20.1933, 0.3172, 0.1822** is the 20% darker color. If you saturate the color by 10%, you get **37.8846, 0.3193, 0.1891**, and if you desaturate by 10%, it is **51.1029, 0.3174, 0.2298**.

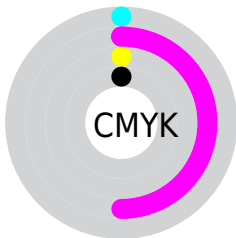
Distribution



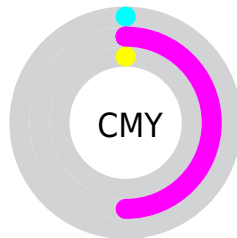
- Red (100%)
- Green (50%)
- Blue (100%)



- Red (100%)
- Yellow (50%)
- Blue (100%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6587, 0.3184, 0.2079 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 43.6587, 0.3184, 0.2079 by changing the saturation by 10% instead.


 43.6587, 0.3184,
0.2079


 43.6587, 0.3184,
0.2079


361.3137, 0.3181,
0.2618


 30.4023, 0.3179,
0.1963


 80.7039, 0.3187,
0.2261

 20.1441, 0.3170,
0.1823


 105.2615, 0.3187,
0.2333

 12.4999, 0.3155,
0.1653

 134.3550, 0.3187,
0.2396

 7.0851, 0.3127,
0.1444

168.3686, 0.3186,
0.2451

 3.5154, 0.3077,
0.1182

207.6870, 0.3185,
0.2500

 1.4063, 0.2981,
0.0856

252.6943, 0.3183,

 0.2214, 0.2841,

0.2544

0.0283

303.7751, 0.3182,
0.2583

■ 0.0000, 0.2385,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6587, 0.3184,
0.2079

■ 43.6587, 0.3184,
0.2079

■ 37.8846, 0.3193,
0.1891

■ 51.1029, 0.3174,
0.2298

■ 33.6464, 0.3200,
0.1741

■ 60.3260, 0.3163,
0.2537

■ 30.7993, 0.3205,
0.1633

■ 71.4348, 0.3151,
0.2787

■ 29.1681, 0.3208,
0.1569

■ 84.5256, 0.3139,
0.3039

■ 28.4702, 0.3209,
0.1542

99.6885, 0.3127,
0.3286

99.9906, 0.3127,
0.3290

99.9907, 0.3127,
0.3290

99.9907, 0.3127,
0.3290

99.9907, 0.3127,
0.3290

Harmonies

Analogous

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



43.6587, 0.2214, 0.1782



43.6587, 0.3184, 0.2079



43.6587, 0.4331, 0.2604

Triad

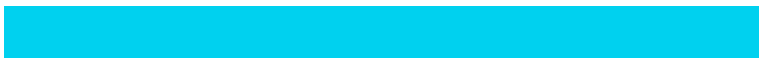
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.6587, 0.3184, 0.2079



43.6587, 0.4655, 0.4747



43.6587, 0.1456, 0.2807

Complementary

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



43.6587, 0.3184, 0.2079



77.5453, 0.3052, 0.4896

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.



43.6587, 0.1923, 0.4028



43.6587, 0.3184, 0.2079



43.6587, 0.3762, 0.5313

Square

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



43.6587, 0.3184, 0.2079



43.6587, 0.5209, 0.3990



43.6587, 0.2768, 0.5137



43.6587, 0.1372, 0.2059

Rectangle

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



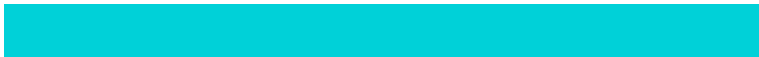
43.6587, 0.3184, 0.2079



43.6587, 0.4940, 0.3036



43.6587, 0.2768, 0.5137



43.6587, 0.1565, 0.3172

Sweetspot

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



43.6607, 0.3184, 0.2079



77.9769, 0.3145, 0.2918



26.9233, 0.2160, 0.1690



16.1076, 0.3147, 0.2865



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.



43.6607, 0.3184, 0.2079



37.9825, 0.3193, 0.1894



40.2050, 0.3820, 0.2638



18.3004, 0.3138, 0.3056



14.8812, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



43.6607, 0.3184, 0.2079



37.9825, 0.3193, 0.1894



79.7736, 0.2757, 0.4080



18.3004, 0.3138, 0.3056



14.8812, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 43.6587, 0.3184, 0.2079 looks on a white background.

Color Contrast Check

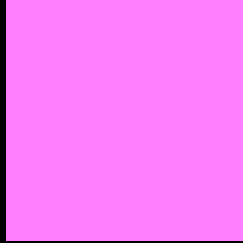
Large Text (above 18pt) WCAG AA × Fail

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 43.6587, 0.3184, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

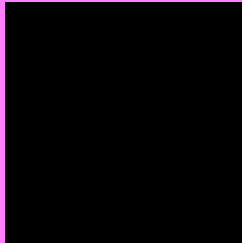
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6587, 0.3184, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 43.6587, 0.3184, 0.2079.



This preview shows how white text looks on a background with the Yxy color 43.6587, 0.3184, 0.2079.

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

43.6587, 0.3184, 0.2079

Protanopia

43.8817, 0.2397, 0.2308

Deuteranopia

44.1476, 0.2466, 0.2405



Tritanopia

43.4406, 0.3964, 0.3171

Trichromacy



Original Color

43.6587, 0.3184, 0.2079



Protanomaly

42.0253, 0.2636, 0.2178



Deuteranomaly

42.3030, 0.2684, 0.2239

Tritanomaly

43.0603, 0.3667, 0.2728

Monochromacy



Original Color

43.6587, 0.3184, 0.2079



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.2601, 0.3153, 0.2742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6587, 0.3184, 0.2079 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(255, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 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(255, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.6587, 0.3184, 0.2079 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(255, 127, 255) }
```

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

```
.border{ border-color:rgb(255, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 127, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 127, 255); box-shadow:4px 4px 4px 4px rgb(255, 127, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6587, 0.3184, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 255) }
```

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

```
.background{ background-color: rgb(255,  
127, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor