

Converting Colors

Yxy(53.6312, 0.3317, 0.2554)

Have a look what the booklet for
Yxy(53.6312, 0.3317, 0.2554)
contains.

Yxy(53.5688, 0.3316, 0.2551)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.5688, 0.3316, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	FFA3ED
RGB	255, 163, 237
RGB Percent	100%, 64%, 93%
CMY	0.0000, 0.3608, 0.0706
CMYK	0.00, 0.36, 0.07, 0.00
HSL	312°, 100%, 82%
HSV	312°, 36%, 100%
XYZ	69.6331, 53.5688, 86.7894
YIQ	198.9440, 31.0780, 42.5180

Conversions

Conversions Part 2

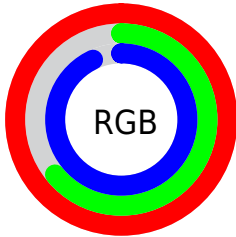
Format	Color
R _{YB}	255, 163, 237
Decimal	16753645
CIE _{Lab}	78.21, 44.67, -23.01
CIE _{LCh}	78, 50.245, 332.747
Yxy	53.5688, 0.3316, 0.2551
Android (android.graphics.Color)	4294943725 (0xFFFFA3ED)
YUV	198.9440, 18.7616, 49.1611
Hunter-Lab	73.1907, 41.7399, -19.0725

Details

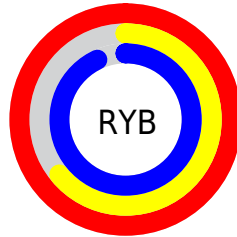
The Yxy color **53.5688, 0.3316, 0.2551** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.6408, 0.2984, 0.4166**, and the grayscale version is **56.9402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **26.1438, 0.3355, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **45.1168, 0.3383, 0.2355**, and if you desaturate by 10%, it is **63.8448, 0.3254, 0.2757**.

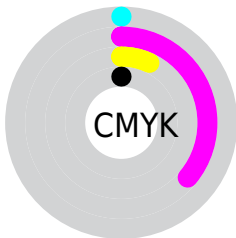
Distribution



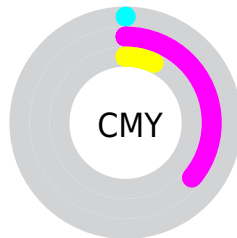
- Red (100%)
- Green (64%)
- Blue (93%)



- Red (100%)
- Yellow (64%)
- Blue (93%)



- Cyan (0%)
- Magenta (36%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5688, 0.3316, 0.2551 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 53.5688, 0.3316, 0.2551 by changing the saturation by 10% instead.


 53.5688, 0.3316,
0.2551


 53.5688, 0.3316,
0.2551


400.4636, 0.3234,
0.2888

 38.2570, 0.3333,
0.2476


 95.4408, 0.3289,
0.2667

 26.1822, 0.3354,
0.2384


 122.7699, 0.3278,
0.2712

 16.9600, 0.3378,
0.2269


154.8735, 0.3268,
0.2751

 10.2060, 0.3408,
0.2122

192.1360, 0.3260,
0.2785

 5.5358, 0.3445,
0.1927

234.9419, 0.3252,
0.2815

 2.5649, 0.3488,
0.1659

283.6755, 0.3246,

 0.9091, 0.3534,

0.2842

0.1277

338.7213, 0.3240,
0.2866

0.0000, 0.3824,
0.0000

0.0000, 0.0000,
0.0000

53.5688, 0.3316,
0.2551

53.5688, 0.3316,
0.2551

45.1168, 0.3383,
0.2355

63.8448, 0.3254,
0.2757

38.3927, 0.3457,
0.2179

76.0603, 0.3200,
0.2966

33.2693, 0.3533,
0.2034

90.3043, 0.3153,
0.3170

29.6082, 0.3611,
0.1929

100.0000, 0.3127,
0.3290

■ 27.2472, 0.3688,
0.1870

■ 25.9851, 0.3761,
0.1857

■ 25.6733, 0.3789,
0.1861

Harmonies

Analogous

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



53.5688, 0.2664, 0.2308



53.5688, 0.3316, 0.2551



53.5688, 0.3978, 0.2950

Triad

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



53.5688, 0.3316, 0.2551



53.5688, 0.4072, 0.4361



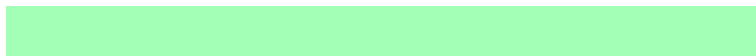
53.5688, 0.2001, 0.2928

Complementary

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



53.5688, 0.3316, 0.2551



82.6408, 0.2984, 0.4166

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.



53.5688, 0.2303, 0.3600



53.5688, 0.3316, 0.2551



53.5688, 0.3489, 0.4519

Square

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



53.5688, 0.3316, 0.2551



53.5688, 0.4421, 0.3943



53.5688, 0.2841, 0.4240



53.5688, 0.1968, 0.2466

Rectangle

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



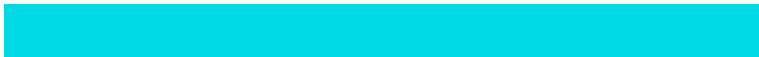
53.5688, 0.3316, 0.2551



53.5688, 0.4299, 0.3271



53.5688, 0.2841, 0.4240



53.5688, 0.2072, 0.3136

Sweetspot

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



53.5640, 0.3316, 0.2551



83.0424, 0.3175, 0.3070



43.0956, 0.2583, 0.2229



17.3648, 0.3182, 0.3043



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.



53.5640, 0.3316, 0.2551



47.5326, 0.3362, 0.2414



51.2609, 0.3722, 0.2987



18.2359, 0.3168, 0.3101



13.4364, 0.3777, 0.1854



1.3231, 0.3700, 0.1812

Inverse Universe

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



53.5640, 0.3316, 0.2551



47.5326, 0.3362, 0.2414



84.7885, 0.2757, 0.3621



18.2359, 0.3168, 0.3101



13.4364, 0.3777, 0.1854



1.3231, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 53.5688, 0.3316, 0.2551 looks on a white background.

Color Contrast Check

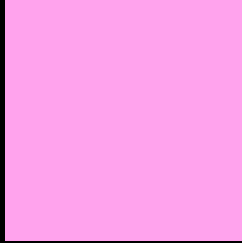
Large Text (above 18pt) WCAG AA × Fail

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 53.5688, 0.3316, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

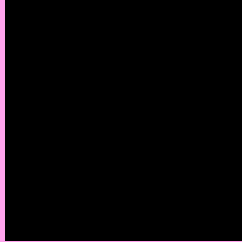
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.5688, 0.3316, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 53.5688, 0.3316, 0.2551.



This preview shows how white text looks on a background with the Yxy color 53.5688, 0.3316, 0.2551.

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

53.5688, 0.3316, 0.2551

Protanopia

54.1494, 0.2596, 0.2565

Deuteranopia

53.6907, 0.2858, 0.2789



Tritanopia

53.5720, 0.3700, 0.3153

Trichromacy



Original Color

53.5688, 0.3316, 0.2551



Protanomaly

52.8042, 0.2828, 0.2547



Deuteranomaly

53.1820, 0.3010, 0.2691



Tritanomaly

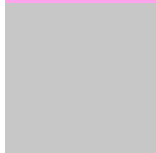
53.2929, 0.3553, 0.2914

Monochromacy



Original Color

53.5688, 0.3316, 0.2551



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

54.9820, 0.3191, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5688, 0.3316, 0.2551 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, 163, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 237)  
}
```

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, 163, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 237) }
```

Border

The CSS property to change the border of an element to Yxy 53.5688, 0.3316, 0.2551 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, 163, 237) }
```

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

```
.border{ border-color:rgb(255, 163, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5688, 0.3316, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 237) }
```

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

```
.background{ background-color: rgb(255,  
163, 237) }
```

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