

Converting Colors

$Y_{xy}(54.7311, 0.3289, 0.2551)$

Have a look what the booklet for
Yxy(54.7311, 0.3289, 0.2551)
contains.

Yxy(54.8237, 0.3288, 0.2553)	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(54.8237, 0.3288, 0.2553)

Conversions

Conversions Part 1

Format	Color
Hex	FFA6F0
RGB	255, 166, 240
RGB Percent	100%, 65%, 94%
CMY	0.0000, 0.3490, 0.0588
CMYK	0.00, 0.35, 0.06, 0.00
HSL	310°, 100%, 83%
HSV	310°, 35%, 100%
XYZ	70.6073, 54.8237, 89.3113
YIQ	201.0470, 29.2900, 41.8820

Conversions

Conversions Part 2

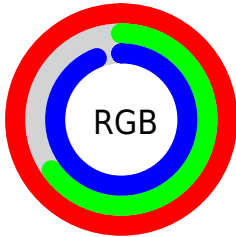
Format	Color
R _Y B	255, 166, 240
Decimal	16754416
CIE Lab	78.94, 43.61, -23.53
CIE LCh	79, 49.555, 331.654
Yxy	54.8237, 0.3288, 0.2553
Android (android.graphics.Color)	4294944496 (0xFFFFA6F0)
YUV	201.0470, 19.2038, 47.3168
Hunter-Lab	74.0430, 40.6419, -19.6860

Details

The Yxy color $54.8237, 0.3288, 0.2553$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $82.9627, 0.3001, 0.4162$, and the grayscale version is $58.3054, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $26.9193, 0.3317, 0.2383$ is the 20% darker color. If you saturate the color by 10%, you get $46.2032, 0.3347, 0.2350$, and if you desaturate by 10%, it is $65.2912, 0.3235, 0.2766$.

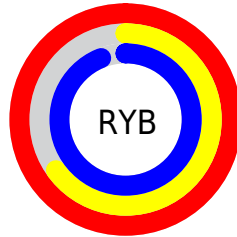
Distribution



Red (100%)

Green (65%)

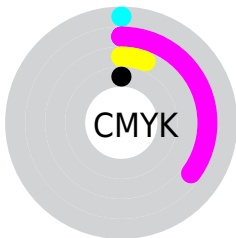
Blue (94%)



Red (100%)

Yellow (65%)

Blue (94%)

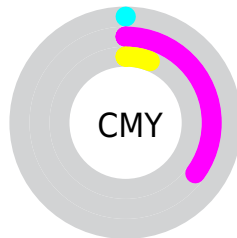


Cyan (0%)

Magenta (35%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8237, 0.3288, 0.2553 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 54.8237, 0.3288, 0.2553 by changing the saturation by 10% instead.


 54.8237, 0.3288,
0.2553

 54.8237, 0.3288,
0.2553


405.2433, 0.3220,
0.2887

 39.2606, 0.3302,
0.2479


 97.2826, 0.3266,
0.2668

 26.9625, 0.3318,
0.2388


 124.9472, 0.3257,
0.2713

 17.5451, 0.3338,
0.2274


157.4144, 0.3249,
0.2751

 10.6239, 0.3360,
0.2129

195.0686, 0.3242,
0.2786

 5.8145, 0.3387,
0.1938

238.2942, 0.3235,
0.2816

 2.7326, 0.3417,
0.1676

287.4755, 0.3230,

 0.9938, 0.3441,

0.2842

0.1303

342.9971, 0.3225,
0.2866

0.0000, 0.3703,
0.0000

0.0000, 0.0000,
0.0000

54.8237, 0.3288,
0.2553

54.8237, 0.3288,
0.2553

46.2032, 0.3347,
0.2350

65.2912, 0.3235,
0.2766

39.3157, 0.3410,
0.2167

77.7013, 0.3187,
0.2980

34.0422, 0.3475,
0.2014

92.1484, 0.3145,
0.3190

30.2463, 0.3541,
0.1900

100.0000, 0.3127,
0.3290

■ 27.7695, 0.3606,
0.1831

■ 26.4162, 0.3667,
0.1809

■ 26.0170, 0.3697,
0.1810

Harmonies

Analogous

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



54.8237, 0.2653, 0.2320



54.8237, 0.3288, 0.2553



54.8237, 0.3939, 0.2942

Triad

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



54.8237, 0.3288, 0.2553



54.8237, 0.4072, 0.4329



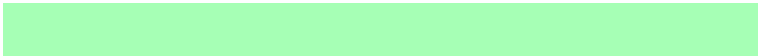
54.8237, 0.2029, 0.2958

Complementary

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



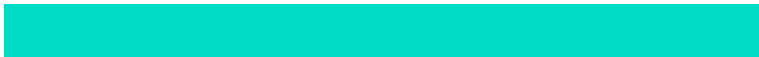
54.8237, 0.3288, 0.2553



82.9627, 0.3001, 0.4162

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.



54.8237, 0.2336, 0.3619



54.8237, 0.3288, 0.2553



54.8237, 0.3507, 0.4493

Square

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



54.8237, 0.3288, 0.2553



54.8237, 0.4401, 0.3916



54.8237, 0.2870, 0.4235



54.8237, 0.1986, 0.2495

Rectangle

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



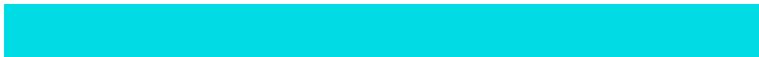
54.8237, 0.3288, 0.2553



54.8237, 0.4261, 0.3255



54.8237, 0.2870, 0.4235



54.8237, 0.2102, 0.3164

Sweetspot

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



54.8253, 0.3288, 0.2553



84.5223, 0.3166, 0.3084



44.2967, 0.2594, 0.2266



17.6618, 0.3172, 0.3055



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.



54.8253, 0.3288, 0.2553



48.5211, 0.3329, 0.2407



52.5034, 0.3681, 0.2982



18.2448, 0.3164, 0.3095



13.6139, 0.3688, 0.1805



1.3388, 0.3624, 0.1770

Inverse Universe

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



54.8253, 0.3288, 0.2553



48.5211, 0.3329, 0.2407



85.0816, 0.2775, 0.3626



18.2448, 0.3164, 0.3095



13.6139, 0.3688, 0.1805



1.3388, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 54.8237, 0.3288, 0.2553 looks on a white background.

Color Contrast Check

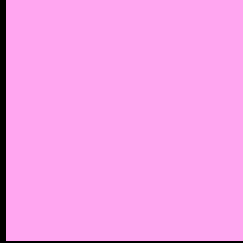
Large Text (above 18pt) WCAG AA × Fail

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 54.8237, 0.3288, 0.2553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

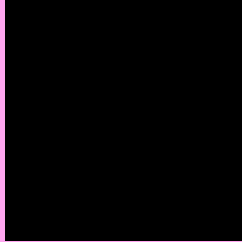
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8237, 0.3288, 0.2553

Background



This preview shows how black text looks on a background with the Yxy color 54.8237, 0.3288, 0.2553.



This preview shows how white text looks on a background with the Yxy color 54.8237, 0.3288, 0.2553.

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

54.8237, 0.3288, 0.2553

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

54.8619, 0.2846, 0.2782



Tritanopia

54.8645, 0.3665, 0.3153

Trichromacy



Original Color

54.8237, 0.3288, 0.2553



Protanomaly

54.4485, 0.2831, 0.2564



Deuteranomaly

54.3220, 0.2996, 0.2684



Tritanomaly

54.5683, 0.3521, 0.2915

Monochromacy



Original Color

54.8237, 0.3288, 0.2553



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.2449, 0.3190, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8237, 0.3288, 0.2553 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, 166, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 240)  
}
```

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, 166, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 240) }
```

Border

The CSS property to change the border of an element to Yxy 54.8237, 0.3288, 0.2553 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, 166, 240) }
```

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

```
.border{ border-color:rgb(255, 166, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8237, 0.3288, 0.2553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 240) }
```

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

```
.background{ background-color: rgb(255,  
166, 240) }
```

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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