

Converting Colors

$Y_{xy}(58.5905, 0.4213, 0.2827)$

Have a look what the booklet for
Yxy(58.5905, 0.4213, 0.2827)
contains.

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Color

Yxy(45.3766, 0.3687, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	FF90C8
RGB	255, 144, 200
RGB Percent	100%, 56%, 78%
CMY	0.0000, 0.4353, 0.2156
CMYK	0.00, 0.44, 0.22, 0.00
HSL	330°, 100%, 78%
HSV	330°, 44%, 100%
XYZ	61.6446, 45.3766, 60.1733
YIQ	183.5730, 48.1800, 40.9480

Conversions

Conversions Part 2

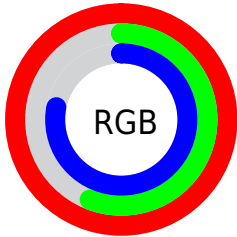
Format	Color
R _Y B	255, 144, 200
Decimal	16748744
CIE Lab	73.14, 48.58, -10.44
CIE LCh	73, 49.690, 347.874
Yxy	45.3766, 0.3687, 0.2714
Android (android.graphics.Color)	4294938824 (0xFFFF90C8)
YUV	183.5730, 8.0985, 62.6415
Hunter-Lab	67.3622, 45.4656, -5.8091

Details

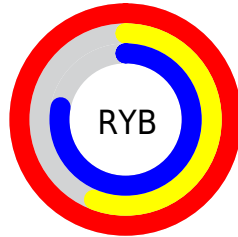
The Yxy color $45.3766, 0.3687, 0.2714$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $81.5705, 0.2796, 0.3963$, and the grayscale version is $47.6192, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.7886, 0.3152, 0.2752$, and $21.1234, 0.3839, 0.2565$ is the 20% darker color. If you saturate the color by 10%, you get $37.9390, 0.3882, 0.2593$, and if you desaturate by 10%, it is $54.6072, 0.3519, 0.2847$.

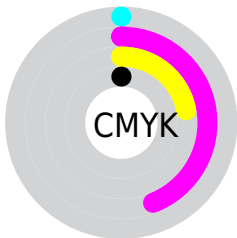
Distribution



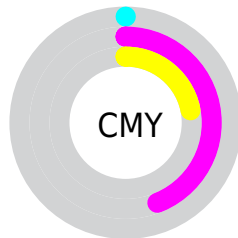
- Red (100%)
- Green (56%)
- Blue (78%)



- Red (100%)
- Yellow (56%)
- Blue (78%)



- Cyan (0%)
- Magenta (44%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3766, 0.3687, 0.2714 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 45.3766, 0.3687, 0.2714 by changing the saturation by 10% instead.


 45.3766, 0.3687,
0.2714

 45.3766, 0.3687,
0.2714


368.2967, 0.3413,
0.2990

 31.7542, 0.3754,
0.2649


 83.2853, 0.3589,
0.2812

 21.1738, 0.3838,
0.2567


 108.3403, 0.3551,
0.2849

 13.2511, 0.3948,
0.2461


137.9749, 0.3520,
0.2881

 7.6017, 0.4098,
0.2321

172.5736, 0.3492,
0.2909

 3.8411, 0.4314,
0.2124

212.5207, 0.3469,
0.2933

 1.5851, 0.4649,
0.1834

258.2007, 0.3448,

 0.3475, 0.5393,

0.2954

0.1094

309.9979, 0.3429,
0.2973

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.3766, 0.3687,
0.2714

45.3766, 0.3687,
0.2714

37.9390, 0.3882,
0.2593

54.6072, 0.3519,
0.2847

32.1743, 0.4101,
0.2496

65.7397, 0.3376,
0.2984

27.9475, 0.4340,
0.2435

78.8744, 0.3257,
0.3118

25.1023, 0.4587,
0.2422

94.1044, 0.3158,
0.3246

■ 23.4487, 0.4830,
0.2465

100.0000, 0.3127,
0.3290

■ 22.8379, 0.4980,
0.2517

Harmonies

Analogous

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



45.3766, 0.2969, 0.2374



45.3766, 0.3687, 0.2714



45.3766, 0.4285, 0.3182

Triad

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



45.3766, 0.3687, 0.2714



45.3766, 0.3821, 0.4539



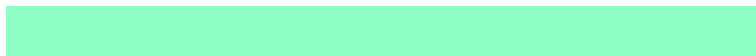
45.3766, 0.1906, 0.2632

Complementary

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



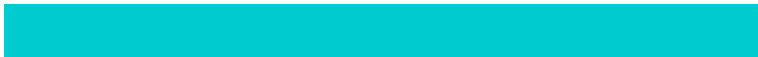
45.3766, 0.3687, 0.2714



81.5705, 0.2796, 0.3963

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.



45.3766, 0.2076, 0.3239



45.3766, 0.3687, 0.2714



45.3766, 0.3156, 0.4494

Square

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



45.3766, 0.3687, 0.2714



45.3766, 0.4331, 0.4205



45.3766, 0.2519, 0.3976



45.3766, 0.2008, 0.2295

Rectangle

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



45.3766, 0.3687, 0.2714



45.3766, 0.4491, 0.3530



45.3766, 0.2519, 0.3976



45.3766, 0.1931, 0.2807

Sweetspot

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



45.3766, 0.3687, 0.2714



79.6304, 0.3251, 0.3125



39.1228, 0.2699, 0.2061



16.3805, 0.3275, 0.3096



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.



45.3766, 0.3687, 0.2714



38.9665, 0.3850, 0.2610



43.2754, 0.4266, 0.3274



18.1401, 0.3215, 0.3171



11.9635, 0.4944, 0.2497



1.1869, 0.4692, 0.2359

Inverse Universe

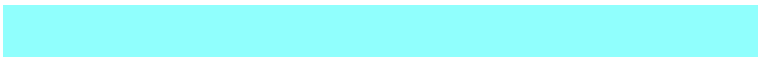
The Inverse Universe completely reimagines the original color for something new.



45.3766, 0.3687, 0.2714



38.9665, 0.3850, 0.2610



84.5502, 0.2544, 0.3309



18.1401, 0.3215, 0.3171



11.9635, 0.4944, 0.2497



1.1869, 0.4692, 0.2359

Previews

White Background



This preview shows how the Yxy color 45.3766, 0.3687, 0.2714 looks on a white background.

Color Contrast Check

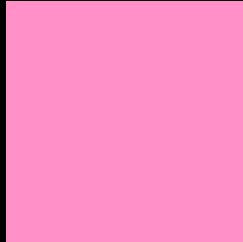
Large Text (above 18pt) WCAG AA × Fail

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 45.3766, 0.3687, 0.2714 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 45.3766, 0.3687, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 45.3766, 0.3687, 0.2714.



This preview shows how white text looks on a background with the Yxy color 45.3766, 0.3687, 0.2714.

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

45.3766, 0.3687, 0.2714

Protanopia

45.7146, 0.2731, 0.2725

Deuteranopia

45.6764, 0.3104, 0.3038



Tritanopia

45.2511, 0.4026, 0.3175

Trichromacy



Original Color

45.3766, 0.3687, 0.2714



Protanomaly

44.5962, 0.3032, 0.2705



Deuteranomaly

44.8783, 0.3301, 0.2900



Tritanomaly

45.0098, 0.3898, 0.2996

Monochromacy



Original Color

45.3766, 0.3687, 0.2714



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.7953, 0.3320, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3766, 0.3687, 0.2714 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, 144, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 200)  
}
```

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, 144, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.3766, 0.3687, 0.2714 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, 144, 200) }
```

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

```
.border{ border-color:rgb(255, 144, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3766, 0.3687, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 200) }
```

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

```
.background{ background-color: rgb(255,  
144, 200) }
```

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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