

Converting Colors

$Y_{xy}(59.7556, 0.4033, 0.2760)$

Have a look what the booklet for
Yxy(59.7556, 0.4033, 0.2760)
contains.

Yxy(47.8262, 0.3557, 0.2657)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8262, 0.3557, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	FF96D4
RGB	255, 150, 212
RGB Percent	100%, 59%, 83%
CMY	0.0001, 0.4117, 0.1686
CMYK	0.00, 0.41, 0.17, 0.00
HSL	325°, 100%, 79%
HSV	325°, 41%, 100%
XYZ	64.0263, 47.8262, 68.1483
YIQ	188.4630, 42.6780, 41.5420

Conversions

Conversions Part 2

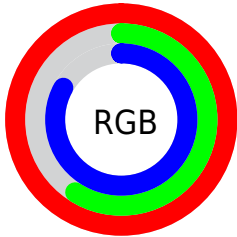
Format	Color
RYB	255, 150, 212
Decimal	16750292
CIELab	74.72, 47.29, -14.67
CIElCh	75, 49.515, 342.763
Yxy	47.8262, 0.3557, 0.2657
Android (android.graphics.Color)	4294940372 (0xFFFF96D4)
YUV	188.4630, 11.6037, 58.3529
Hunter-Lab	69.1565, 44.2345, -10.0161

Details

The Yxy color $47.8262, 0.3557, 0.2657$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $81.8456, 0.2855, 0.4032$, and the grayscale version is $50.4831, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.6226, 0.3150, 0.2811$, and $22.5358, 0.3667, 0.2502$ is the 20% darker color. If you saturate the color by 10%, you get $40.0460, 0.3709, 0.2513$, and if you desaturate by 10%, it is $57.4153, 0.3425, 0.2812$.

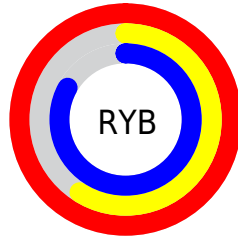
Distribution



Red (100%)

Green (59%)

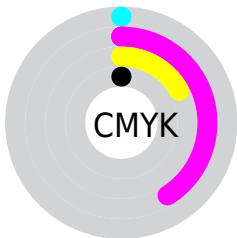
Blue (83%)



Red (100%)

Yellow (59%)

Blue (83%)

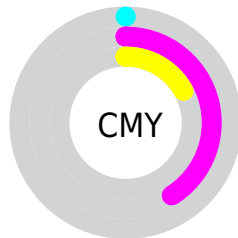


Cyan (0%)

Magenta (41%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8262, 0.3557, 0.2657 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 47.8262, 0.3557, 0.2657 by changing the saturation by 10% instead.


 47.8262, 0.3557,
0.2657


 47.8262, 0.3557,
0.2657


378.1028, 0.3352,
0.2955

 33.6893, 0.3605,
0.2588


 86.9456, 0.3484,
0.2761

 22.6550, 0.3666,
0.2502


 112.6968, 0.3457,
0.2801

 14.3390, 0.3744,
0.2393


143.0883, 0.3433,
0.2836

 8.3568, 0.3848,
0.2250

178.5044, 0.3412,
0.2866

 4.3241, 0.3994,
0.2054

219.3295, 0.3394,
0.2892

 1.8565, 0.4210,
0.1772

265.9480, 0.3378,

 0.5220, 0.4612,

0.2916

0.1243

318.7443, 0.3364,
0.2936

■ 0.0000, 0.6062,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8262, 0.3557,
0.2657

■ 47.8262, 0.3557,
0.2657

■ 40.0460, 0.3709,
0.2513

■ 57.4153, 0.3425,
0.2812

■ 33.9514, 0.3879,
0.2390

■ 68.9127, 0.3311,
0.2971

■ 29.4142, 0.4064,
0.2300

■ 82.4187, 0.3216,
0.3125

■ 26.2844, 0.4256,
0.2257

■ 98.0244, 0.3136,
0.3273

■ 24.3825, 0.4448,
0.2266

99.9971, 0.3127,
0.3290

■ 23.4781, 0.4613,
0.2315

Harmonies

Analogous

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



47.8262, 0.2861, 0.2350



47.8262, 0.3557, 0.2657



47.8262, 0.4181, 0.3102

Triad

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



47.8262, 0.3557, 0.2657



47.8262, 0.3910, 0.4479



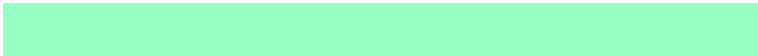
47.8262, 0.1937, 0.2731

Complementary

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



47.8262, 0.3557, 0.2657



81.8456, 0.2855, 0.4032

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.



47.8262, 0.2152, 0.3363



47.8262, 0.3557, 0.2657



47.8262, 0.3272, 0.4508

Square

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



47.8262, 0.3557, 0.2657



47.8262, 0.4366, 0.4113



47.8262, 0.2629, 0.4072



47.8262, 0.1993, 0.2351

Rectangle

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



47.8262, 0.3557, 0.2657



47.8262, 0.4429, 0.3440



47.8262, 0.2629, 0.4072



47.8262, 0.1978, 0.2917

Sweetspot

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



47.8284, 0.3557, 0.2657



81.2258, 0.3223, 0.3113



40.2434, 0.2659, 0.2111



16.9877, 0.3235, 0.3093



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.



47.8284, 0.3557, 0.2657



41.5906, 0.3674, 0.2542



45.6307, 0.4082, 0.3183



18.1671, 0.3201, 0.3151



12.2999, 0.4583, 0.2298



1.2193, 0.4383, 0.2188

Inverse Universe

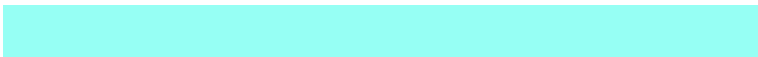
The Inverse Universe completely reimagines the original color for something new.



47.8284, 0.3557, 0.2657



41.5906, 0.3674, 0.2542



84.5570, 0.2609, 0.3407



18.1671, 0.3201, 0.3151



12.2999, 0.4583, 0.2298



1.2193, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 47.8262, 0.3557, 0.2657 looks on a white background.

Color Contrast Check

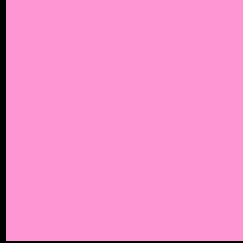
Large Text (above 18pt) WCAG AA × Fail

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 47.8262, 0.3557, 0.2657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

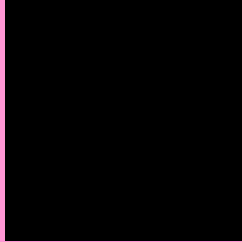
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8262, 0.3557, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 47.8262, 0.3557, 0.2657.



This preview shows how white text looks on a background with the Yxy color 47.8262, 0.3557, 0.2657.

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

47.8262, 0.3557, 0.2657

Protanopia

48.0543, 0.2673, 0.2655

Deuteranopia

47.9517, 0.3018, 0.2946



Tritanopia

47.6800, 0.3908, 0.3164

Trichromacy



Original Color

47.8262, 0.3557, 0.2657



Protanomaly

46.7970, 0.2956, 0.2637



Deuteranomaly

47.0558, 0.3202, 0.2815



Tritanomaly

47.6409, 0.3785, 0.2975

Monochromacy



Original Color

47.8262, 0.3557, 0.2657



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.3004, 0.3272, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8262, 0.3557, 0.2657 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, 150, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 212)  
}
```

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, 150, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 212) }
```

Border

The CSS property to change the border of an element to Yxy 47.8262, 0.3557, 0.2657 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, 150, 212) }
```

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

```
.border{ border-color:rgb(255, 150, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8262, 0.3557, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 212) }
```

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

```
.background{ background-color: rgb(255,  
150, 212) }
```

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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