

Converting Colors

$Yxy(75.3728, 0.2920, 0.4299)$

Have a look what the booklet for
Yxy(75.3728, 0.2920, 0.4299)
contains.

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Color

Yxy(75.4509, 0.2920, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	8BF8A8
RGB	139, 248, 168
RGB Percent	55%, 97%, 66%
CMY	0.4548, 0.0274, 0.3413
CMYK	0.44, 0.00, 0.32, 0.03
HSL	136°, 89%, 76%
HSV	136°, 44%, 97%
XYZ	51.2841, 75.4509, 48.8956
YIQ	206.2890, -39.2840, -47.9880

Conversions

Conversions Part 2

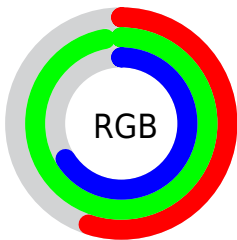
Format	Color
RYB	139, 225, 248
Decimal	9173160
CIELab	89.60, -48.14, 28.92
CIElCh	90, 56.155, 149.002
Yxy	75.4509, 0.2920, 0.4296
Android (android.graphics.Color)	4287363240 (0xFF8BF8A8)
YUV	206.2890, -18.8765, -59.0125
Hunter-Lab	86.8625, -46.6219, 27.4289

Details

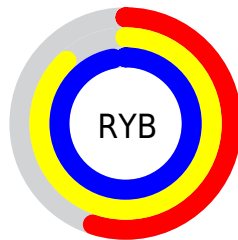
The Yxy color **75.4509, 0.2920, 0.4296** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.5468, 0.3441, 0.2467**, and the grayscale version is **62.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7721, 0.2950, 0.3625**, and **40.2487, 0.2853, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **72.9235, 0.2888, 0.4576**, and if you desaturate by 10%, it is **78.5638, 0.2961, 0.4029**.

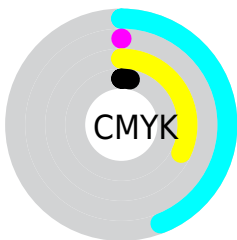
Distribution



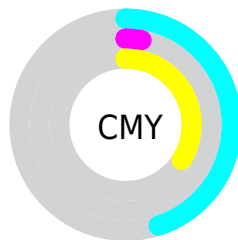
- Red (55%)
- Green (97%)
- Blue (66%)



- Red (55%)
- Yellow (88%)
- Blue (97%)



- Cyan (44%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)





- Cyan (45%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4509, 0.2920, 0.4296 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 75.4509, 0.2920, 0.4296 by changing the saturation by 10% instead.


 75.4509, 0.2920,
0.4296

 75.4509, 0.2920,
0.4296


479.4659, 0.3031,
0.3804

 55.9824, 0.2891,
0.4415


 126.9504, 0.2962,
0.4120

 40.1888, 0.2852,
0.4564


 159.7502, 0.2977,
0.4053

 27.6858, 0.2800,
0.4759


197.7625, 0.2990,
0.3996

 18.0889, 0.2726,
0.5020

241.3718, 0.3000,
0.3947

 11.0138, 0.2614,
0.5388

290.9623, 0.3010,
0.3904

 6.0762, 0.2430,
0.5937


346.9186, 0.3018,

 2.8914, 0.2156,


0.3867


0.7016


409.6250, 0.3025,
0.3834


 1.0753, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.4509, 0.2920,
0.4296


 75.4509, 0.2920,
0.4296


 72.9235, 0.2888,
0.4576


 78.5638, 0.2961,
0.4029


 70.9352, 0.2868,
0.4860

 82.2865, 0.3007,
0.3783

 69.4475, 0.2863,
0.5134

 86.6533, 0.3057,
0.3560

 68.4127, 0.2873,
0.5384

 91.6933, 0.3107,
0.3362

■ 67.7729, 0.2898,
0.5596

■ 95.6164, 0.3130,
0.3223

■ 67.5285, 0.2917,
0.5702

Harmonies

Analogous

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



75.4509, 0.3568, 0.4517



75.4509, 0.2920, 0.4296



75.4509, 0.2361, 0.3688

Triad

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



75.4509, 0.2920, 0.4296



75.4509, 0.2155, 0.2282



75.4509, 0.4363, 0.3376

Complementary

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



75.4509, 0.2920, 0.4296



43.5468, 0.3441, 0.2467

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.



75.4509, 0.3901, 0.2895



75.4509, 0.2920, 0.4296



75.4509, 0.2595, 0.2293

Square

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



75.4509, 0.2920, 0.4296



75.4509, 0.1961, 0.2512



75.4509, 0.3229, 0.2513



75.4509, 0.4437, 0.3881

Rectangle

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



75.4509, 0.2920, 0.4296



75.4509, 0.2109, 0.3220



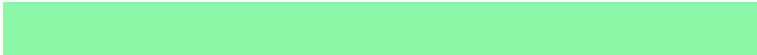
75.4509, 0.3229, 0.2513



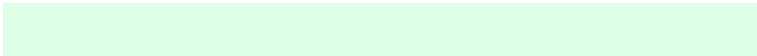
75.4509, 0.4247, 0.3209

Sweetspot

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



75.4540, 0.2920, 0.4296



92.7761, 0.3061, 0.3541



84.3355, 0.3588, 0.4452



19.6217, 0.3050, 0.3588



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.



75.4540, 0.2920, 0.4296



77.8945, 0.2890, 0.4552



77.8352, 0.2658, 0.3615



19.3850, 0.3079, 0.3469



36.4977, 0.2910, 0.5676



3.3971, 0.2847, 0.5449

Inverse Universe

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



43.5468, 0.3441, 0.2467



39.7762, 0.3530, 0.2312



41.1929, 0.3995, 0.3000



17.4412, 0.3179, 0.3117



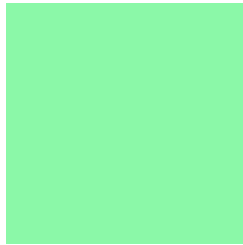
12.6318, 0.4021, 0.1989



1.1875, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 75.4509, 0.2920, 0.4296 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 75.4509, 0.2920, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

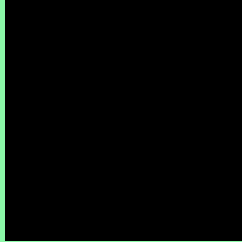
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.4509, 0.2920, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 75.4509, 0.2920, 0.4296.

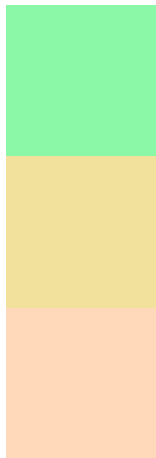


This preview shows how white text looks on a background with the Yxy color 75.4509, 0.2920, 0.4296.

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

75.4509, 0.2920, 0.4296

Protanopia

74.6229, 0.3716, 0.3998

Deuteranopia

74.4309, 0.3633, 0.3609



Tritanopia

75.4698, 0.2586, 0.3086

Trichromacy



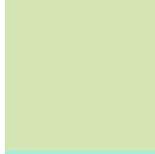
Original Color

75.4509, 0.2920, 0.4296



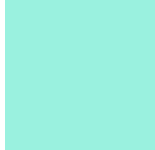
Protanomaly

73.8302, 0.3387, 0.4117



Deuteranomaly

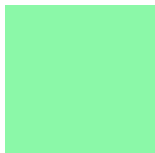
72.8876, 0.3340, 0.3845



Tritanomaly

75.1083, 0.2709, 0.3502

Monochromacy



Original Color

75.4509, 0.2920, 0.4296



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.4638, 0.3041, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4509, 0.2920, 0.4296 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(139, 248, 168)` looks like.

```
.text, #text, p{  
    color:rgb(139, 248, 168)  
}
```

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(139, 248, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 248, 168) }
```

Border

The CSS property to change the border of an element to Yxy 75.4509, 0.2920, 0.4296 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(139, 248, 168) }
```

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

```
.border{ border-color:rgb(139, 248, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 248, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 248, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 248, 168);  
box-shadow:4px 4px 4px 4px rgb(139, 248,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4509, 0.2920, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 248, 168) }
```

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

```
.background{ background-color: rgb(139,  
248, 168) }
```

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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