

Converting Colors

$Yxy(66.4433, 0.2886, 0.4378)$

Have a look what the booklet for
Yxy(66.4433, 0.2886, 0.4378)
contains.

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Color

Yxy(66.4224, 0.2886, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	79EC9B
RGB	121, 236, 155
RGB Percent	47%, 93%, 61%
CMY	0.5256, 0.0745, 0.3920
CMYK	0.49, 0.00, 0.34, 0.07
HSL	138°, 75%, 70%
HSV	138°, 49%, 93%
XYZ	43.7960, 66.4224, 41.5349
YIQ	192.3810, -42.5390, -49.5710

Conversions

Conversions Part 2

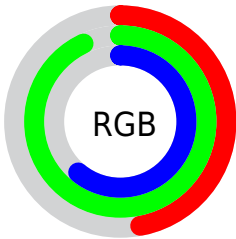
Format	Color
RYB	121, 210, 236
Decimal	7990427
CIELab	85.21, -50.07, 29.45
CIElCh	85, 58.087, 149.532
Yxy	66.4224, 0.2886, 0.4377
Android (android.graphics.Color)	4286180507 (0xFF79EC9B)
YUV	192.3810, -18.4288, -62.6011
Hunter-Lab	81.4999, -46.7035, 26.8340

Details

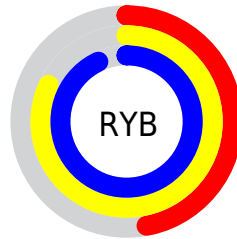
The Yxy color **66.4224, 0.2886, 0.4377** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.7644, 0.3523, 0.2419**, and the grayscale version is **53.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7568, 0.2922, 0.3798**, and **34.2116, 0.2805, 0.4683** is the 20% darker color. If you saturate the color by 10%, you get **64.4035, 0.2857, 0.4649**, and if you desaturate by 10%, it is **68.9406, 0.2926, 0.4115**.

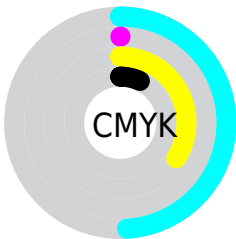
Distribution



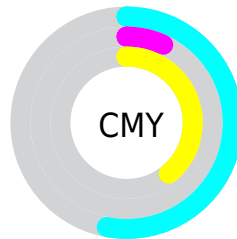
- Red (47%)
- Green (93%)
- Blue (61%)



- Red (47%)
- Yellow (82%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (34%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4224, 0.2886, 0.4377 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 66.4224, 0.2886, 0.4377 by changing the saturation by 10% instead.


 66.4224, 0.2886,
0.4377


 66.4224, 0.2886,
0.4377


447.8860, 0.3018,
0.3832


 48.6154, 0.2850,
0.4512


 114.0924, 0.2936,
0.4179

 34.3145, 0.2803,
0.4685


 144.7241, 0.2954,
0.4105

 23.1353, 0.2737,
0.4913


 180.3996, 0.2969,
0.4042

 14.6934, 0.2642,
0.5226

221.5031, 0.2982,
0.3988

 8.6045, 0.2494,
0.5677

268.4191, 0.2993,
0.3941

 4.4841, 0.2242,
0.6367

321.5320, 0.3002,

 1.9479, 0.1627,

0.3900

0.8373

381.2262, 0.3010,
0.3864

■ 0.5769, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4224, 0.2886,
0.4377

■ 66.4224, 0.2886,
0.4377

■ 64.4035, 0.2857,
0.4649

■ 68.9406, 0.2926,
0.4115

■ 62.8416, 0.2843,
0.4921


■ 71.9805, 0.2973,
0.3871


■ 61.7008, 0.2844,
0.5180


■ 75.5733, 0.3025,
0.3647


■ 60.9359, 0.2862,
0.5413

■ 79.7450, 0.3079,
0.3447

 60.4810, 0.2894,
0.5609

 84.5201, 0.3134,
0.3269

 60.4350, 0.2897,
0.5631

 88.4559, 0.3138,
0.3110

 88.4745, 0.3136,
0.3107

Harmonies

Analogous

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



66.4224, 0.3580, 0.4618



66.4224, 0.2886, 0.4377



66.4224, 0.2294, 0.3705

Triad

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



66.4224, 0.2886, 0.4377



66.4224, 0.2093, 0.2210



66.4224, 0.4467, 0.3382

Complementary

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



66.4224, 0.2886, 0.4377



35.7644, 0.3523, 0.2419

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.



66.4224, 0.3973, 0.2873



66.4224, 0.2886, 0.4377



66.4224, 0.2564, 0.2229

Square

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



66.4224, 0.2886, 0.4377



66.4224, 0.1884, 0.2444



66.4224, 0.3247, 0.2466



66.4224, 0.4532, 0.3920

Rectangle

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



66.4224, 0.2886, 0.4377



66.4224, 0.2031, 0.3195



66.4224, 0.3247, 0.2466



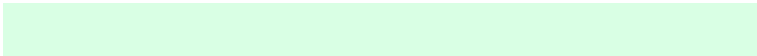
66.4224, 0.4344, 0.3206

Sweetspot

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



66.4251, 0.2886, 0.4377



91.8390, 0.3045, 0.3571



74.1290, 0.3600, 0.4586



19.4396, 0.3033, 0.3614



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.



66.4251, 0.2886, 0.4377



76.8827, 0.2858, 0.4635



68.7649, 0.2603, 0.3605



16.9355, 0.3075, 0.3460



33.3307, 0.2890, 0.5603



2.6336, 0.2813, 0.5327

Inverse Universe

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



35.7644, 0.3523, 0.2419



36.5102, 0.3631, 0.2274



33.5746, 0.4185, 0.3015



15.2334, 0.3183, 0.3126



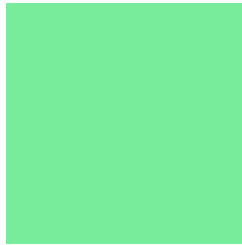
11.3739, 0.4130, 0.2049



0.9099, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 66.4224, 0.2886, 0.4377 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 66.4224, 0.2886, 0.4377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

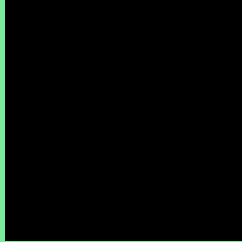
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.4224, 0.2886, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 66.4224, 0.2886, 0.4377.



This preview shows how white text looks on a background with the Yxy color 66.4224, 0.2886, 0.4377.

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

66.4224, 0.2886, 0.4377

Protanopia

65.2909, 0.3743, 0.4025

Deuteranopia

65.2770, 0.3802, 0.3727



Tritanopia

66.0723, 0.2523, 0.3073

Trichromacy



Original Color

66.4224, 0.2886, 0.4377



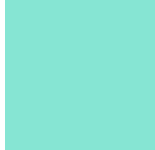
Protanomaly

64.3035, 0.3379, 0.4158



Deuteranomaly

63.6606, 0.3416, 0.3960



Tritanomaly

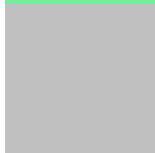
65.8101, 0.2651, 0.3517

Monochromacy



Original Color

66.4224, 0.2886, 0.4377



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.4734, 0.3014, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4224, 0.2886, 0.4377 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(121, 236, 155)` looks like.

```
.text, #text, p{  
    color:rgb(121, 236, 155)  
}
```

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(121, 236, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 236, 155) }
```

Border

The CSS property to change the border of an element to Yxy 66.4224, 0.2886, 0.4377 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(121, 236, 155) }
```

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

```
.border{ border-color:rgb(121, 236, 155) }
```

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

Here you see how a box with a 4 pixel rgb(121, 236, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 236, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 236, 155);  
box-shadow:4px 4px 4px 4px rgb(121, 236,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4224, 0.2886, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 236, 155) }
```

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

```
.background{ background-color: rgb(121,  
236, 155) }
```

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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