

Converting Colors

$Yxy(67.9629, 0.2618, 0.4222)$

Have a look what the booklet for
Yxy(67.9629, 0.2618, 0.4222)
contains.

Yxy(67.9767, 0.2616, 0.4221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9767, 0.2616, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	49F2AE
RGB	73, 242, 174
RGB Percent	29%, 95%, 68%
CMY	0.7144, 0.0509, 0.3177
CMYK	0.70, 0.00, 0.28, 0.05
HSL	156°, 87%, 62%
HSV	156°, 70%, 95%
XYZ	42.1291, 67.9767, 50.9382
YIQ	183.7170, -78.8960, -56.9760

Conversions

Conversions Part 2

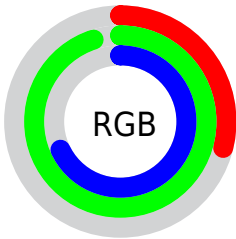
Format	Color
RYB	73, 179, 242
Decimal	4846254
CIELab	85.99, -58.40, 20.59
CIELCh	86, 61.929, 160.577
Yxy	67.9767, 0.2616, 0.4221
Android (android.graphics.Color)	4283036334 (0xFF49F2AE)
YUV	183.7170, -4.7905, -97.0988
Hunter-Lab	82.4480, -53.0744, 21.0829

Details

The Yxy color **67.9767, 0.2616, 0.4221** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **25.5423, 0.4510, 0.2630**, and the grayscale version is **47.8034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8959, 0.2635, 0.3580**, and **36.0784, 0.2573, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **66.8474, 0.2603, 0.4380**, and if you desaturate by 10%, it is **69.5062, 0.2649, 0.4064**.

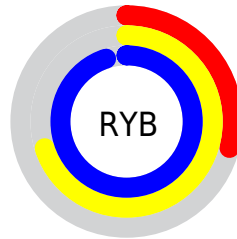
Distribution



Red (29%)

Green (95%)

Blue (68%)



Red (29%)

Yellow (70%)

Blue (95%)

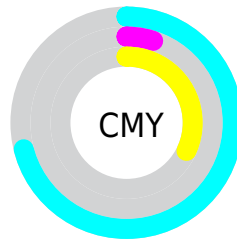


Cyan (70%)

Magenta (0%)

Yellow (28%)

Black (5%)



Cyan (71%)


Magenta (5%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9767, 0.2616, 0.4221 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 67.9767, 0.2616, 0.4221 by changing the saturation by 10% instead.


 67.9767, 0.2616,
0.4221


 67.9767, 0.2616,
0.4221


453.4135, 0.2868,
0.3758


 49.8788, 0.2555,
0.4335


 116.3188, 0.2706,
0.4054


 35.3171, 0.2477,
0.4481


 147.3318, 0.2741,
0.3990

 23.9072, 0.2376,
0.4672

 183.4186, 0.2770,
0.3937

 15.2648, 0.2238,
0.4935

 224.9636, 0.2795,
0.3891

 9.0055, 0.2042,
0.5314

272.3512, 0.2817,
0.3851

 4.7447, 0.1743,
0.5902

325.9657, 0.2836,

 2.0983, 0.0905,

0.3816

0.7378

386.1917, 0.2853,
0.3785

0.6637, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.9767, 0.2616,
0.4221

67.9767, 0.2616,
0.4221

66.8474, 0.2603,
0.4380

69.5062, 0.2649,
0.4064

66.0641, 0.2611,
0.4536


71.4664, 0.2701,
0.3911

65.5534, 0.2636,
0.4688


73.8940, 0.2768,
0.3766


65.5491, 0.2636,
0.4690


76.8196, 0.2847,
0.3630

 80.2709, 0.2936,
0.3505

 84.2736, 0.3030,
0.3391

 88.8518, 0.3128,
0.3289

 91.7919, 0.3152,
0.3196

 91.9939, 0.3133,
0.3166

Harmonies

Analogous

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



67.9767, 0.3328, 0.4672



67.9767, 0.2616, 0.4221



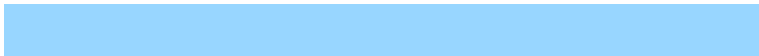
67.9767, 0.2080, 0.3423

Triad

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



67.9767, 0.2616, 0.4221



67.9767, 0.2191, 0.2136



67.9767, 0.4624, 0.3586

Complementary

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



67.9767, 0.2616, 0.4221



25.5423, 0.4510, 0.2630

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.



67.9767, 0.4258, 0.3036



67.9767, 0.2616, 0.4221



67.9767, 0.2776, 0.2245

Square

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



67.9767, 0.2616, 0.4221



67.9767, 0.1872, 0.2274



67.9767, 0.3543, 0.2564



67.9767, 0.4516, 0.4141

Rectangle

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



67.9767, 0.2616, 0.4221



67.9767, 0.1880, 0.2915



67.9767, 0.3543, 0.2564



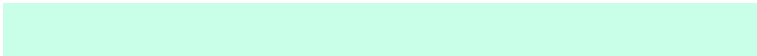
67.9767, 0.4554, 0.3399

Sweetspot

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



67.9794, 0.2616, 0.4221



89.9099, 0.2925, 0.3519



69.8615, 0.3369, 0.5308



19.0053, 0.2900, 0.3553



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.



67.9794, 0.2616, 0.4221



74.8471, 0.2604, 0.4448



63.2632, 0.2284, 0.3108



17.8151, 0.3034, 0.3387



35.2359, 0.2629, 0.4665



2.9509, 0.2573, 0.4464

Inverse Universe

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



25.5423, 0.4510, 0.2630



24.3625, 0.4954, 0.2632



26.1643, 0.5386, 0.3418



15.8642, 0.3230, 0.3195



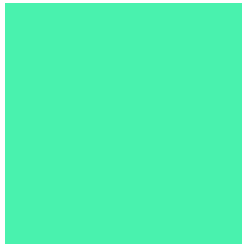
10.6331, 0.5369, 0.2731



0.9037, 0.5021, 0.2540

Previews

White Background



This preview shows how the Yxy color 67.9767, 0.2616, 0.4221 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 67.9767, 0.2616, 0.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

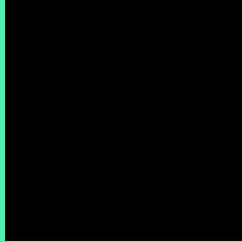
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9767, 0.2616, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 67.9767, 0.2616, 0.4221.

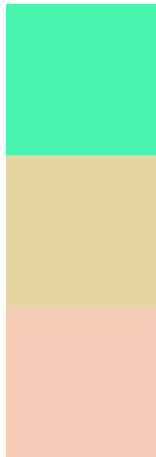


This preview shows how white text looks on a background with the Yxy color 67.9767, 0.2616, 0.4221.

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

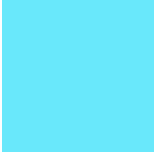
67.9767, 0.2616, 0.4221

Protanopia

66.6557, 0.3614, 0.3871

Deuteranopia

66.4525, 0.3616, 0.3537



Tritanopia

67.6815, 0.2353, 0.3058

Trichromacy



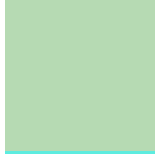
Original Color

67.9767, 0.2616, 0.4221



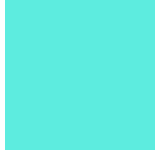
Protanomaly

64.8351, 0.3134, 0.4019



Deuteranomaly

63.3426, 0.3126, 0.3772



Tritanomaly

67.6458, 0.2442, 0.3454

Monochromacy



Original Color

67.9767, 0.2616, 0.4221



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.8872, 0.2854, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9767, 0.2616, 0.4221 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(73, 242, 174)` looks like.

```
.text, #text, p{  
    color:rgb(73, 242, 174)  
}
```

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(73, 242, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 242, 174) }
```

Border

The CSS property to change the border of an element to Yxy 67.9767, 0.2616, 0.4221 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(73, 242, 174) }
```

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

```
.border{ border-color:rgb(73, 242, 174) }
```

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

Here you see how a box with a 4 pixel rgb(73, 242, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 242, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 242, 174);  
box-shadow:4px 4px 4px 4px rgb(73, 242,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9767, 0.2616, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 242, 174) }
```

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

```
.background{ background-color: rgb(73, 242,  
174) }
```

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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