

Converting Colors

$Yxy(68.4011, 0.2767, 0.3515)$

Have a look what the booklet for
Yxy(68.4011, 0.2767, 0.3515)
contains.

Yxy(68.4150, 0.2764, 0.3509)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.4150, 0.2764, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	9CE6D4
RGB	156, 230, 212
RGB Percent	61%, 90%, 83%
CMY	0.3883, 0.0980, 0.1685
CMYK	0.32, 0.00, 0.08, 0.10
HSL	165°, 60%, 76%
HSV	165°, 32%, 90%
XYZ	53.8897, 68.4150, 72.6653
YIQ	205.8220, -38.3260, -21.2860

Conversions

Conversions Part 2

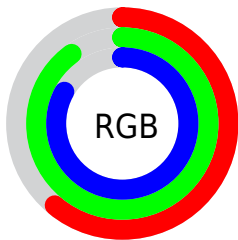
Format	Color
RYB	156, 198, 230
Decimal	10282708
CIELab	86.21, -26.74, 1.45
CIELCh	86, 26.781, 176.891
Yxy	68.4150, 0.2764, 0.3509
Android (android.graphics.Color)	4288472788 (0xFF9CE6D4)
YUV	205.8220, 3.0458, -43.6939
Hunter-Lab	82.7134, -28.4514, 5.8119

Details

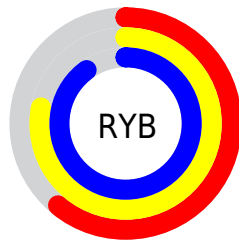
The Yxy color **68.4150, 0.2764, 0.3509** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.6495, 0.3686, 0.3085**, and the grayscale version is **61.5999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **35.5312, 0.2681, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **66.0595, 0.2671, 0.3589**, and if you desaturate by 10%, it is **71.2203, 0.2869, 0.3434**.

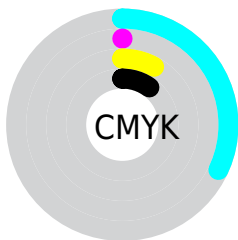
Distribution



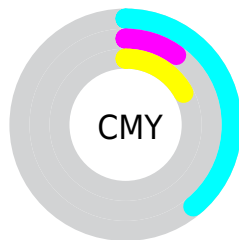
- Red (61%)
- Green (90%)
- Blue (83%)



- Red (61%)
- Yellow (78%)
- Blue (90%)



- Cyan (32%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)





- Cyan (39%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4150, 0.2764, 0.3509 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 68.4150, 0.2764, 0.3509 by changing the saturation by 10% instead.


 68.4150, 0.2764,
0.3509

 68.4150, 0.2764,
0.3509


454.9650, 0.2934,
0.3406

 50.2354, 0.2725,
0.3533


 116.9456, 0.2823,
0.3473

 35.6005, 0.2676,
0.3563


 148.0655, 0.2846,
0.3459

 24.1258, 0.2614,
0.3601


184.2676, 0.2866,
0.3447

 15.4270, 0.2532,
0.3651

225.9362, 0.2883,
0.3437

 9.1196, 0.2420,
0.3721

273.4559, 0.2898,
0.3428

 4.8193, 0.2256,
0.3824

327.2110, 0.2911,

 2.1416, 0.1996,

0.3420

0.3991

387.5859, 0.2923,
0.3412

0.6879, 0.0007,
0.5148

0.0000, 0.0000,
0.0000

68.4150, 0.2764,
0.3509

68.4150, 0.2764,
0.3509

66.0595, 0.2671,
0.3589

71.2203, 0.2869,
0.3434

64.1206, 0.2593,
0.3674


74.4897, 0.2982,
0.3365

62.5741, 0.2532,
0.3762


78.2473, 0.3101,
0.3303


61.3896, 0.2490,
0.3853

82.5128, 0.3223,
0.3247


 60.5322, 0.2468,
0.3944

 84.1462, 0.3235,
0.3193

 59.9597, 0.2465,
0.4035

 84.4834, 0.3199,
0.3138

 59.6580, 0.2474,
0.4105

 84.8310, 0.3163,
0.3085

 85.0771, 0.3138,
0.3049

Harmonies

Analogous

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



68.4150, 0.3064, 0.3771



68.4150, 0.2764, 0.3509



68.4150, 0.2566, 0.3192

Triad

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



68.4150, 0.2764, 0.3509



68.4150, 0.2844, 0.2758



68.4150, 0.3782, 0.3607

Complementary

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



68.4150, 0.2764, 0.3509



43.6495, 0.3686, 0.3085

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.



68.4150, 0.3721, 0.3341



68.4150, 0.2764, 0.3509



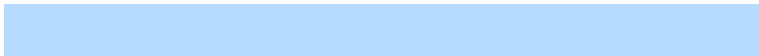
68.4150, 0.3164, 0.2868

Square

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



68.4150, 0.2764, 0.3509



68.4150, 0.2611, 0.2774



68.4150, 0.3490, 0.3077



68.4150, 0.3658, 0.3810

Rectangle

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



68.4150, 0.2764, 0.3509



68.4150, 0.2513, 0.3003



68.4150, 0.3490, 0.3077



68.4150, 0.3783, 0.3522

Sweetspot

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



68.4178, 0.2764, 0.3509



95.0877, 0.3007, 0.3352



68.0516, 0.3206, 0.4207



20.2158, 0.2990, 0.3361



0.0000, 0.0000, 0.0000



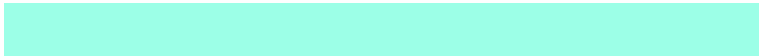
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4178, 0.2764, 0.3509



84.3034, 0.2697, 0.3565



59.6171, 0.2641, 0.3062



16.2734, 0.3014, 0.3348



33.7931, 0.2470, 0.4091



2.5116, 0.2433, 0.3959

Inverse Universe

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



43.6495, 0.3686, 0.3085



48.1698, 0.3864, 0.3039



49.6847, 0.3800, 0.3505



14.4251, 0.3254, 0.3233



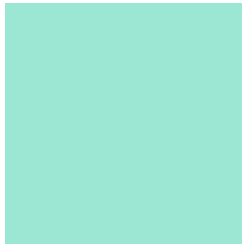
9.7014, 0.5946, 0.3049



0.7313, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 68.4150, 0.2764, 0.3509 looks on a white background.

Color Contrast Check

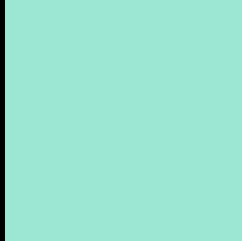
Large Text (above 18pt) WCAG AA × Fail

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 68.4150, 0.2764, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

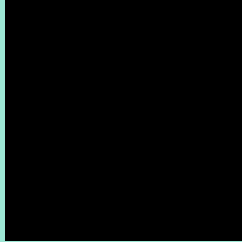
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

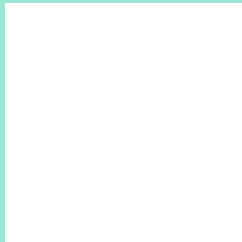
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4150, 0.2764, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 68.4150, 0.2764, 0.3509.

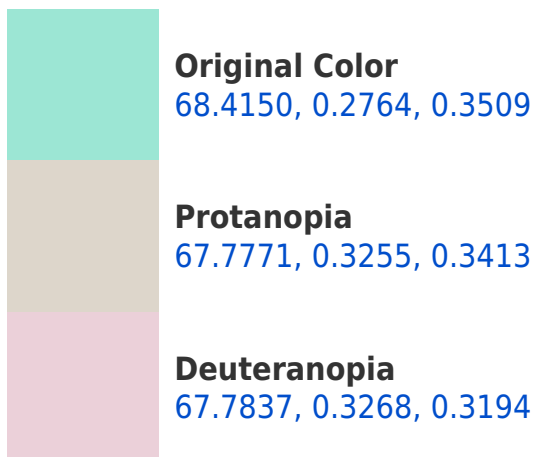


This preview shows how white text looks on a background with the Yxy color 68.4150, 0.2764, 0.3509.

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





Tritanopia

68.1080, 0.2632, 0.3079

Trichromacy



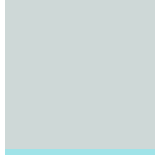
Original Color

68.4150, 0.2764, 0.3509



Protanomaly

67.5129, 0.3056, 0.3453



Deuteranomaly

67.1398, 0.3062, 0.3301



Tritanomaly

68.2379, 0.2675, 0.3229

Monochromacy



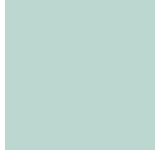
Original Color

68.4150, 0.2764, 0.3509



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.8463, 0.2981, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4150, 0.2764, 0.3509 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(156, 230, 212)` looks like.

```
.text, #text, p{  
    color:rgb(156, 230, 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(156, 230, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 230, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.4150, 0.2764, 0.3509 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(156, 230, 212) }
```

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

```
.border{ border-color:rgb(156, 230, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 230, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 230, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 230, 212);  
box-shadow:4px 4px 4px 4px rgb(156, 230,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4150, 0.2764, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 230, 212) }
```

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

```
.background{ background-color: rgb(156,  
230, 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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