

Converting Colors

$Yxy(68.3686, 0.2630, 0.3676)$

Have a look what the booklet for
Yxy(68.3686, 0.2630, 0.3676)
contains.

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Color

Yxy(68.5121, 0.2628, 0.3672)

Conversions

Conversions Part 1

Format	Color
Hex	79ECCE
RGB	121, 236, 206
RGB Percent	47%, 93%, 81%
CMY	0.5250, 0.0745, 0.1921
CMYK	0.49, 0.00, 0.13, 0.07
HSL	164°, 75%, 70%
HSV	164°, 49%, 93%
XYZ	49.0332, 68.5121, 69.0345
YIQ	198.1950, -58.9100, -33.7100

Conversions

Conversions Part 2

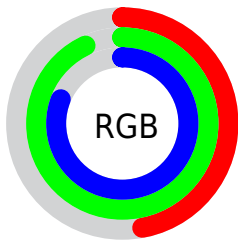
Format	Color
RYB	121, 187, 236
Decimal	7990478
CIELab	86.26, -39.78, 4.50
CIELCh	86, 40.029, 173.550
Yxy	68.5121, 0.2628, 0.3672
Android (android.graphics.Color)	4286180558 (0xFF79ECCE)
YUV	198.1950, 3.8479, -67.7000
Hunter-Lab	82.7720, -39.1098, 8.4907

Details

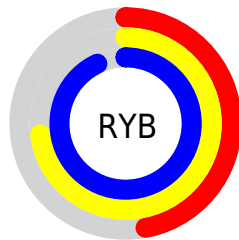
The Yxy color **68.5121, 0.2628, 0.3672** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **33.7716, 0.4120, 0.2958**, and the grayscale version is **56.6178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **35.8702, 0.2508, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **66.7178, 0.2562, 0.3766**, and if you desaturate by 10%, it is **70.7407, 0.2710, 0.3582**.

Distribution



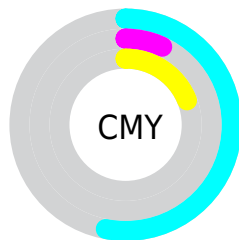
- Red (47%)
- Green (93%)
- Blue (81%)



- Red (47%)
- Yellow (73%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5121, 0.2628, 0.3672 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 68.5121, 0.2628, 0.3672 by changing the saturation by 10% instead.


 68.5121, 0.2628,
0.3672

 68.5121, 0.2628,
0.3672


455.3083, 0.2862,
0.3490


 50.3145, 0.2574,
0.3715


 117.0844, 0.2710,
0.3608

 35.6633, 0.2507,
0.3768

 148.2279, 0.2741,
0.3583

 24.1743, 0.2421,
0.3837


 184.4555, 0.2769,
0.3562

 15.4630, 0.2308,
0.3929

226.1515, 0.2792,
0.3544

 9.1449, 0.2153,
0.4058

273.7004, 0.2813,
0.3528

 4.8358, 0.1929,
0.4249

327.4866, 0.2831,

 2.1513, 0.1571,

0.3514

387.8944, 0.2848,
0.3501

0.4567

0.6932, 0.0000,
0.6115

0.0000, 0.0000,
0.0000

68.5121, 0.2628,
0.3672

68.5121, 0.2628,
0.3672

66.7178, 0.2562,
0.3766

70.7407, 0.2710,
0.3582

65.3185, 0.2515,
0.3864


73.4233, 0.2806,
0.3497


64.2817, 0.2487,
0.3963


76.5882, 0.2912,
0.3419


63.5655, 0.2480,
0.4061

80.2591, 0.3025,
0.3347


 63.1084, 0.2490,
0.4159

 84.4580, 0.3143,
0.3282

 63.0563, 0.2492,
0.4172

 87.7139, 0.3211,
0.3222

 88.0923, 0.3172,
0.3163

 88.4650, 0.3136,
0.3107

Harmonies

Analogous

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



68.5121, 0.3075, 0.4062



68.5121, 0.2628, 0.3672



68.5121, 0.2328, 0.3180

Triad

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



68.5121, 0.2628, 0.3672



68.5121, 0.2659, 0.2514



68.5121, 0.4110, 0.3694

Complementary

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



68.5121, 0.2628, 0.3672



33.7716, 0.4120, 0.2958

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.



68.5121, 0.3992, 0.3304



68.5121, 0.2628, 0.3672



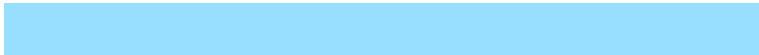
68.5121, 0.3118, 0.2655

Square

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



68.5121, 0.2628, 0.3672



68.5121, 0.2348, 0.2547



68.5121, 0.3616, 0.2936



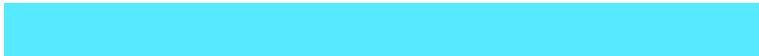
68.5121, 0.3942, 0.4023

Rectangle

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



68.5121, 0.2628, 0.3672



68.5121, 0.2240, 0.2891



68.5121, 0.3616, 0.2936



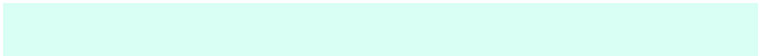
68.5121, 0.4103, 0.3566

Sweetspot

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



68.5148, 0.2628, 0.3672



92.8270, 0.2952, 0.3392



68.0195, 0.3237, 0.4750



19.6773, 0.2928, 0.3407



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.



68.5148, 0.2628, 0.3672



79.6303, 0.2565, 0.3762



55.8210, 0.2423, 0.2947



17.0508, 0.3016, 0.3352



34.7835, 0.2488, 0.4156



2.7469, 0.2450, 0.4020

Inverse Universe

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



33.7716, 0.4120, 0.2958



33.8624, 0.4438, 0.2909



40.3690, 0.4328, 0.3593



15.1186, 0.3252, 0.3229



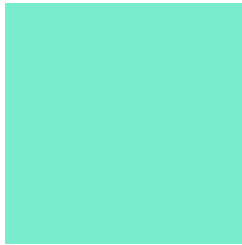
10.0371, 0.5891, 0.3019



0.8035, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 68.5121, 0.2628, 0.3672 looks on a white background.

Color Contrast Check

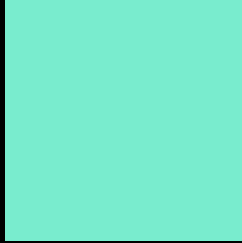
Large Text (above 18pt) WCAG AA × Fail

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 68.5121, 0.2628, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

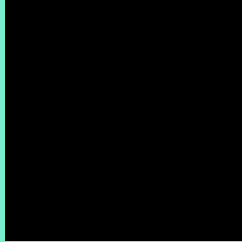
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

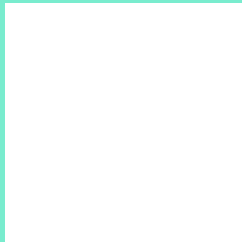
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5121, 0.2628, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 68.5121, 0.2628, 0.3672.



This preview shows how white text looks on a background with the Yxy color 68.5121, 0.2628, 0.3672.

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

68.5121, 0.2628, 0.3672

Protanopia

67.6762, 0.3334, 0.3514

Deuteranopia

67.6981, 0.3312, 0.3248



Tritanopia

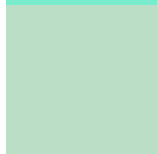
68.4393, 0.2474, 0.3074

Trichromacy



Original Color

68.5121, 0.2628, 0.3672



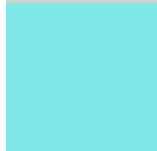
Protanomaly

66.7589, 0.3030, 0.3577



Deuteranomaly

66.2653, 0.3010, 0.3383



Tritanomaly

68.2635, 0.2525, 0.3276

Monochromacy



Original Color

68.5121, 0.2628, 0.3672



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.8501, 0.2901, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5121, 0.2628, 0.3672 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(121, 236, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 236, 206) }
```

Border

The CSS property to change the border of an element to Yxy 68.5121, 0.2628, 0.3672 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, 206) }
```

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

```
.border{ border-color:rgb(121, 236, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 236, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 236, 206);  
box-shadow:4px 4px 4px 4px rgb(121, 236,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5121, 0.2628, 0.3672 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, 206) }
```

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

```
.background{ background-color: rgb(121,  
236, 206) }
```

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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