

Converting Colors

$Yxy(68.6203, 0.2544, 0.3433)$

Have a look what the booklet for
Yxy(68.6203, 0.2544, 0.3433)
contains.

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Color

Yxy(68.8093, 0.2544, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	79EBDF
RGB	121, 235, 223
RGB Percent	47%, 92%, 87%
CMY	0.5254, 0.0784, 0.1254
CMYK	0.48, 0.00, 0.05, 0.08
HSL	174°, 74%, 70%
HSV	174°, 48%, 92%
XYZ	50.9165, 68.8093, 80.4176
YIQ	199.5460, -64.0920, -27.9000

Conversions

Conversions Part 2

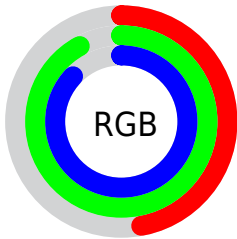
Format	Color
R _Y B	121, 181, 235
Decimal	7990239
CIE Lab	86.41, -35.34, -4.22
CIE LCh	86, 35.592, 186.803
Yxy	68.8093, 0.2544, 0.3438
Android (android.graphics.Color)	4286180319 (0xFF79EBDF)
YUV	199.5460, 11.5628, -68.8848
Hunter-Lab	82.9514, -35.5996, 0.5870

Details

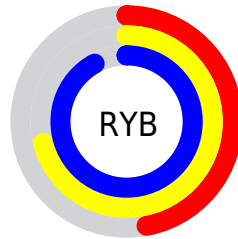
The Yxy color **68.8093, 0.2544, 0.3438** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.0379, 0.4336, 0.3160**, and the grayscale version is **57.4283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **35.9669, 0.2407, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **67.1831, 0.2465, 0.3474**, and if you desaturate by 10%, it is **70.8563, 0.2640, 0.3404**.

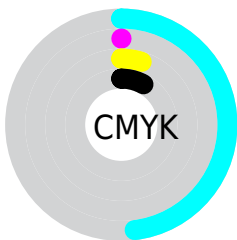
Distribution



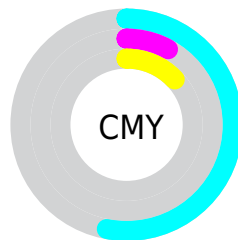
- Red (47%)
- Green (92%)
- Blue (87%)



- Red (47%)
- Yellow (71%)
- Blue (92%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)





- Cyan (53%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8093, 0.2544, 0.3438 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 68.8093, 0.2544, 0.3438 by changing the saturation by 10% instead.


 68.8093, 0.2544,
0.3438


 68.8093, 0.2544,
0.3438

456.3581, 0.2813,
0.3373


 50.5564, 0.2483,
0.3452


 117.5092, 0.2637,
0.3416

 35.8557, 0.2408,
0.3469


 148.7249, 0.2673,
0.3407

 24.3228, 0.2313,
0.3490


 185.0304, 0.2705,
0.3400

 15.5732, 0.2190,
0.3515

226.8101, 0.2732,
0.3393

 9.2227, 0.2024,
0.3547

274.4483, 0.2756,
0.3387

 4.8867, 0.1790,
0.3588

328.3294, 0.2777,

 2.1809, 0.1440,

0.3382

0.3636

388.8379, 0.2796,
0.3377

0.7096, 0.0000,
0.3985

0.0000, 0.0000,
0.0000

68.8093, 0.2544,
0.3438

68.8093, 0.2544,
0.3438

67.1831, 0.2465,
0.3474

70.8563, 0.2640,
0.3404

65.9391, 0.2406,
0.3510


73.3436, 0.2751,
0.3371


65.0453, 0.2366,
0.3547


76.2989, 0.2875,
0.3340

64.4604, 0.2345,
0.3583

79.7455, 0.3008,
0.3312

 64.1251, 0.2340,
0.3619


 83.7050, 0.3149,
0.3286

 64.0838, 0.2340,
0.3625

 86.8404, 0.3244,
0.3263

 86.9865, 0.3229,
0.3238

 87.1347, 0.3213,
0.3214

 87.2849, 0.3197,
0.3190

Harmonies

Analogous

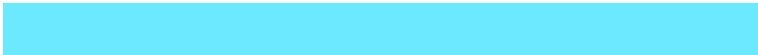
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8093, 0.2897, 0.3840



68.8093, 0.2544, 0.3438



68.8093, 0.2350, 0.3020

Triad

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



68.8093, 0.2544, 0.3438



68.8093, 0.2881, 0.2631



68.8093, 0.3965, 0.3798

Complementary

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



68.8093, 0.2544, 0.3438



33.0379, 0.4336, 0.3160

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.



68.8093, 0.3972, 0.3464



68.8093, 0.2544, 0.3438



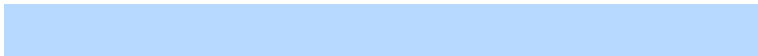
68.8093, 0.3321, 0.2819

Square

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



68.8093, 0.2544, 0.3438



68.8093, 0.2533, 0.2591



68.8093, 0.3730, 0.3115



68.8093, 0.3723, 0.4031

Rectangle

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



68.8093, 0.2544, 0.3438



68.8093, 0.2326, 0.2803



68.8093, 0.3730, 0.3115



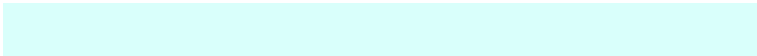
68.8093, 0.3996, 0.3693

Sweetspot

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



68.8120, 0.2544, 0.3438



93.1970, 0.2920, 0.3330



65.8929, 0.3131, 0.4793



19.7672, 0.2892, 0.3337



0.0000, 0.0000, 0.0000



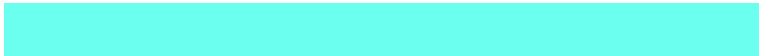
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8120, 0.2544, 0.3438



80.9103, 0.2467, 0.3473



47.4626, 0.2381, 0.2718



17.0930, 0.2995, 0.3315



35.6770, 0.2339, 0.3619



2.8094, 0.2325, 0.3568

Inverse Universe

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



33.0379, 0.4336, 0.3160



33.2177, 0.4737, 0.3143



45.8519, 0.4217, 0.3782



15.0798, 0.3276, 0.3266



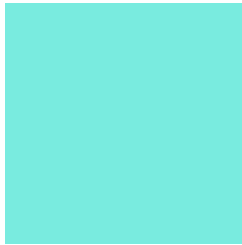
9.8770, 0.6275, 0.3230



0.7842, 0.6005, 0.3082

Previews

White Background



This preview shows how the Yxy color 68.8093, 0.2544, 0.3438 looks on a white background.

Color Contrast Check

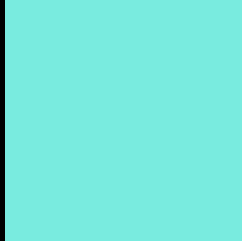
Large Text (above 18pt) WCAG AA × Fail

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 68.8093, 0.2544, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

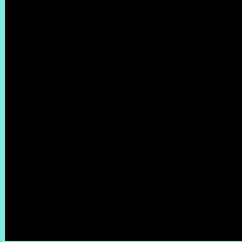
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8093, 0.2544, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 68.8093, 0.2544, 0.3438.



This preview shows how white text looks on a background with the Yxy color 68.8093, 0.2544, 0.3438.

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

68.8093, 0.2544, 0.3438

Protanopia

68.0119, 0.3192, 0.3323

Deuteranopia

67.9161, 0.3137, 0.3076



Tritanopia

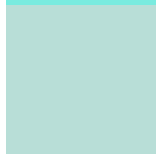
68.7211, 0.2446, 0.3062

Trichromacy



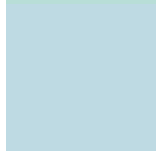
Original Color

68.8093, 0.2544, 0.3438



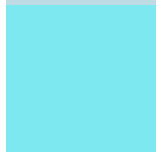
Protanomaly

67.3392, 0.2912, 0.3372



Deuteranomaly

66.6360, 0.2877, 0.3186



Tritanomaly

68.4401, 0.2480, 0.3191

Monochromacy



Original Color

68.8093, 0.2544, 0.3438



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.8005, 0.2864, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8093, 0.2544, 0.3438 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, 235, 223)` looks like.

```
.text, #text, p{  
    color:rgb(121, 235, 223)  
}
```

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, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 235, 223) }
```

Border

The CSS property to change the border of an element to Yxy 68.8093, 0.2544, 0.3438 is called "border". The border property can be set on classes, ids or directly on the HTML element.

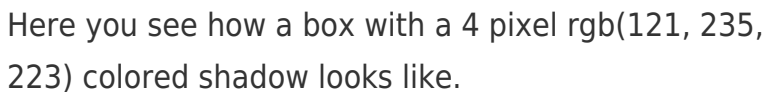
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(121, 235, 223) }
```

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

```
.border{ border-color:rgb(121, 235, 223) }
```

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



Here you see how a box with a 4 pixel rgb(121, 235, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(121, 235,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8093, 0.2544, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 235, 223) }
```

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

```
.background{ background-color: rgb(121,  
235, 223) }
```

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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