

Converting Colors

$Yxy(68.4074, 0.2342, 0.3249)$

Have a look what the booklet for
Yxy(68.4074, 0.2342, 0.3249)
contains.

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Color

Yxy(68.6535, 0.2343, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	52EDF0
RGB	82, 237, 240
RGB Percent	32%, 93%, 94%
CMY	0.6784, 0.0706, 0.0588
CMYK	0.66, 0.01, 0.00, 0.06
HSL	181°, 84%, 63%
HSV	181°, 66%, 94%
XYZ	49.4939, 68.6535, 93.0941
YIQ	190.9970, -93.3430, -31.9270

Conversions

Conversions Part 2

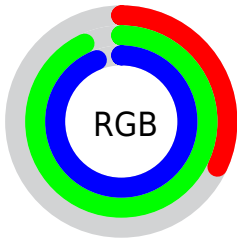
Format	Color
R_{YB}	82, 160, 240
Decimal	5434864
CIE _{Lab}	86.33, -38.83, -13.39
CIE _{LCh}	86, 41.070, 199.027
Yxy	68.6535, 0.2343, 0.3250
Android (android.graphics.Color)	4283624944 (0xFF52EDF0)
YUV	190.9970, 24.1585, -95.5904
Hunter-Lab	82.8574, -38.3756, -8.6149

Details

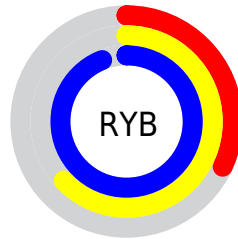
The Yxy color **68.6535, 0.2343, 0.3250** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **25.6384, 0.5278, 0.3324**, and the grayscale version is **51.9991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **36.5084, 0.2233, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **67.4966, 0.2289, 0.3244**, and if you desaturate by 10%, it is **70.1923, 0.2417, 0.3257**.

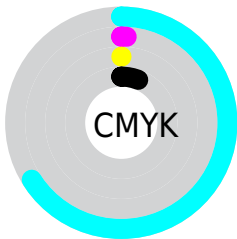
Distribution



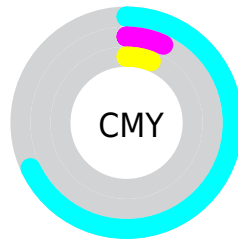
- Red (32%)
- Green (93%)
- Blue (94%)



- Red (32%)
- Yellow (63%)
- Blue (94%)



- Cyan (66%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)





- Cyan (68%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6535, 0.2343, 0.3250 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 68.6535, 0.2343, 0.3250 by changing the saturation by 10% instead.


 68.6535, 0.2343,
0.3250

 68.6535, 0.2343,
0.3250


455.8079, 0.2699,
0.3280


 50.4296, 0.2264,
0.3241


 117.2865, 0.2465,
0.3262


 35.7548, 0.2167,
0.3228


 148.4644, 0.2513,
0.3267

 24.2449, 0.2047,
0.3209


 184.7291, 0.2554,
0.3270

 15.5154, 0.1893,
0.3181

 226.4649, 0.2591,
0.3273

 9.1819, 0.1691,
0.3136

274.0564, 0.2623,
0.3275

 4.8600, 0.1419,
0.3060

327.8877, 0.2651,

 2.1654, 0.1037,

0.3277

388.3435, 0.2677,
0.3278

0.2913

0.7010, 0.0000,
0.2693

0.0000, 0.0000,
0.0000

68.6535, 0.2343,
0.3250

68.6535, 0.2343,
0.3250

67.4966, 0.2289,
0.3244

70.1923, 0.2417,
0.3257

66.6728, 0.2253,
0.3237


72.1406, 0.2510,
0.3263

66.1335, 0.2235,
0.3231


74.5322, 0.2621,
0.3269

65.9593, 0.2230,
0.3228


77.3954, 0.2747,
0.3276

 80.7559, 0.2887,
0.3281

 84.6378, 0.3036,
0.3287

 89.0636, 0.3193,
0.3292

 90.2664, 0.3226,
0.3297

 90.5375, 0.3225,
0.3301

Harmonies

Analogous

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



68.6535, 0.2677, 0.3755



68.6535, 0.2343, 0.3250



68.6535, 0.2212, 0.2812

Triad

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



68.6535, 0.2343, 0.3250



68.6535, 0.3041, 0.2609



68.6535, 0.4005, 0.3997

Complementary

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



68.6535, 0.2343, 0.3250



25.6384, 0.5278, 0.3324

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.



68.6535, 0.4136, 0.3643



68.6535, 0.2343, 0.3250



68.6535, 0.3555, 0.2877

Square

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



68.6535, 0.2343, 0.3250



68.6535, 0.2588, 0.2489



68.6535, 0.3970, 0.3243



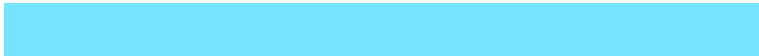
68.6535, 0.3636, 0.4196

Rectangle

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



68.6535, 0.2343, 0.3250



68.6535, 0.2246, 0.2616



68.6535, 0.3970, 0.3243



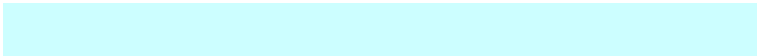
68.6535, 0.4079, 0.3890

Sweetspot

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



68.6561, 0.2343, 0.3250



90.9577, 0.2826, 0.3279



64.7754, 0.3019, 0.5391



19.2383, 0.2787, 0.3277



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.



68.6561, 0.2343, 0.3250



77.0827, 0.2275, 0.3241



32.6697, 0.2083, 0.2160



17.8741, 0.2981, 0.3285



36.1248, 0.2230, 0.3229



3.0216, 0.2233, 0.3238

Inverse Universe

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



30.6786, 0.3227, 0.1825



30.8314, 0.3242, 0.1667



45.5622, 0.4593, 0.4129



16.0259, 0.3141, 0.3062



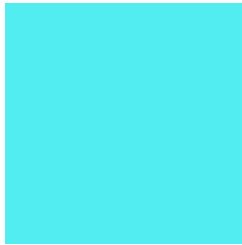
13.4402, 0.3257, 0.1568



1.1198, 0.3251, 0.1564

Previews

White Background



This preview shows how the Yxy color 68.6535, 0.2343, 0.3250 looks on a white background.

Color Contrast Check

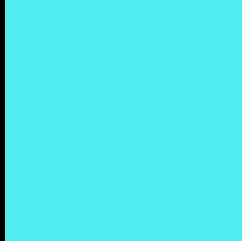
Large Text (above 18pt) WCAG AA × Fail

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 68.6535, 0.2343, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

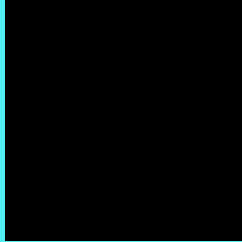
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6535, 0.2343, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 68.6535, 0.2343, 0.3250.



This preview shows how white text looks on a background with the Yxy color 68.6535, 0.2343, 0.3250.

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

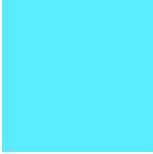
68.6535, 0.2343, 0.3250

Protanopia

67.4718, 0.3061, 0.3157

Deuteranopia

67.4704, 0.2959, 0.2896



Tritanopia

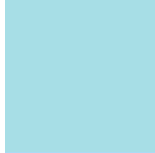
68.6963, 0.2301, 0.3057

Trichromacy



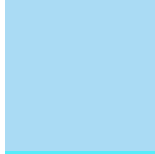
Original Color

68.6535, 0.2343, 0.3250



Protanomaly

66.1712, 0.2719, 0.3194



Deuteranomaly

65.7407, 0.2657, 0.2999



Tritanomaly

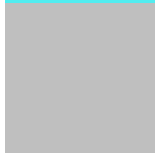
68.8089, 0.2316, 0.3128

Monochromacy



Original Color

68.6535, 0.2343, 0.3250



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.2945, 0.2725, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6535, 0.2343, 0.3250 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(82, 237, 240)` looks like.

```
.text, #text, p{  
    color:rgb(82, 237, 240)  
}
```

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(82, 237, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 237, 240) }
```

Border

The CSS property to change the border of an element to Yxy 68.6535, 0.2343, 0.3250 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(82, 237, 240) }
```

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

```
.border{ border-color:rgb(82, 237, 240) }
```

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

Here you see how a box with a 4 pixel rgb(82, 237, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 237, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 237, 240);  
box-shadow:4px 4px 4px 4px rgb(82, 237,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6535, 0.2343, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 237, 240) }
```

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

```
.background{ background-color: rgb(82, 237,  
240) }
```

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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