

Converting Colors

$Yxy(68.4834, 0.2365, 0.3394)$

Have a look what the booklet for
Yxy(68.4834, 0.2365, 0.3394)
contains.

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Color

$\text{Yxy}(68.2787, 0.2364, 0.3390)$

Conversions

Conversions Part 1

Format	Color
Hex	49EEE6
RGB	73, 238, 230
RGB Percent	29%, 93%, 90%
CMY	0.7129, 0.0667, 0.0981
CMYK	0.69, 0.00, 0.03, 0.07
HSL	177°, 83%, 61%
HSV	177°, 69%, 93%
XYZ	47.6138, 68.2787, 85.5196
YIQ	187.7530, -95.7720, -37.4680

Conversions

Conversions Part 2

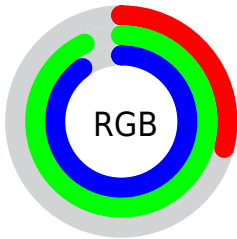
Format	Color
RYB	73, 158, 238
Decimal	4845286
CIELab	86.15, -43.18, -8.42
CIELCh	86, 43.994, 191.029
Yxy	68.2787, 0.2364, 0.3390
Android (android.graphics.Color)	4283035366 (0xFF49EEE6)
YUV	187.7530, 20.8278, -100.6384
Hunter-Lab	82.6309, -41.7484, -3.5210

Details

The Yxy color **68.2787, 0.2364, 0.3390** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **23.5644, 0.5361, 0.3227**, and the grayscale version is **50.0939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **36.1429, 0.2275, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **67.4552, 0.2322, 0.3406**, and if you desaturate by 10%, it is **69.4635, 0.2426, 0.3374**.

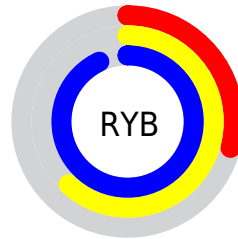
Distribution



Red (29%)

Green (93%)

Blue (90%)



Red (29%)

Yellow (62%)

Blue (93%)

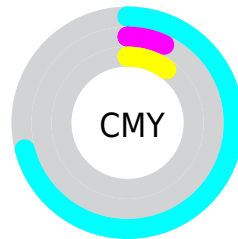


Cyan (69%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (71%)


Magenta (7%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2787, 0.2364, 0.3390 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 68.2787, 0.2364, 0.3390 by changing the saturation by 10% instead.


 68.2787, 0.2364,
0.3390

 68.2787, 0.2364,
0.3390


454.4828, 0.2713,
0.3352

 50.1245, 0.2286,
0.3397

 116.7508, 0.2484,
0.3378

 35.5123, 0.2190,
0.3404


 147.8374, 0.2531,
0.3374

 24.0578, 0.2070,
0.3411


 184.0037, 0.2572,
0.3369

 15.3765, 0.1916,
0.3416


 225.6339, 0.2607,
0.3365

 9.0840, 0.1713,
0.3418

273.1126, 0.2638,
0.3361

 4.7960, 0.1435,
0.3409

326.8240, 0.2666,

 2.1281, 0.1021,

0.3358

387.1526, 0.2691,
0.3355

0.3370

0.6804, 0.0000,
0.3307

0.0000, 0.0000,
0.0000

68.2787, 0.2364,
0.3390

68.2787, 0.2364,
0.3390

67.4552, 0.2322,
0.3406

69.4635, 0.2426,
0.3374

66.9423, 0.2298,
0.3422

71.0382, 0.2507,
0.3358


66.6756, 0.2289,
0.3438


73.0371, 0.2606,
0.3342


66.6592, 0.2289,
0.3439


75.4888, 0.2722,
0.3328

 78.4194, 0.2851,
0.3314

 81.8528, 0.2991,
0.3301

 85.8117, 0.3139,
0.3289

 88.6507, 0.3233,
0.3278

 88.7194, 0.3226,
0.3267

Harmonies

Analogous

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



68.2787, 0.2767, 0.3921



68.2787, 0.2364, 0.3390



68.2787, 0.2166, 0.2883

Triad

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



68.2787, 0.2364, 0.3390



68.2787, 0.2891, 0.2514



68.2787, 0.4133, 0.3951

Complementary

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



68.2787, 0.2364, 0.3390



23.5644, 0.5361, 0.3227

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.



68.2787, 0.4194, 0.3548



68.2787, 0.2364, 0.3390



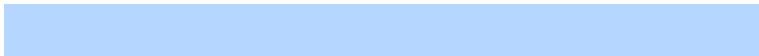
68.2787, 0.3440, 0.2761

Square

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



68.2787, 0.2364, 0.3390



68.2787, 0.2449, 0.2434



68.2787, 0.3934, 0.3126



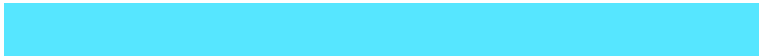
68.2787, 0.3792, 0.4228

Rectangle

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



68.2787, 0.2364, 0.3390



68.2787, 0.2162, 0.2639



68.2787, 0.3934, 0.3126



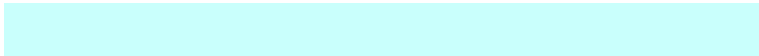
68.2787, 0.4189, 0.3824

Sweetspot

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



68.2813, 0.2364, 0.3390



91.0535, 0.2826, 0.3316



63.3972, 0.3053, 0.5497



19.2798, 0.2790, 0.3320



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.



68.2813, 0.2364, 0.3390



78.6163, 0.2310, 0.3413



34.0890, 0.2078, 0.2253



17.9149, 0.2987, 0.3301



37.1975, 0.2288, 0.3437



3.0985, 0.2282, 0.3416

Inverse Universe

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



23.5644, 0.5361, 0.3227



23.2762, 0.5963, 0.3245



39.6380, 0.4786, 0.4040



15.7713, 0.3286, 0.3279



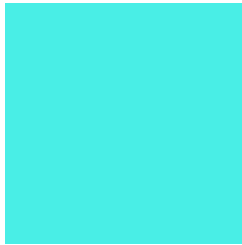
10.1606, 0.6349, 0.3271



0.8496, 0.6217, 0.3199

Previews

White Background



This preview shows how the Yxy color 68.2787, 0.2364, 0.3390 looks on a white background.

Color Contrast Check

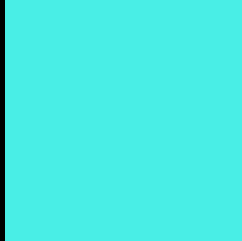
Large Text (above 18pt) WCAG AA × Fail

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 68.2787, 0.2364, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

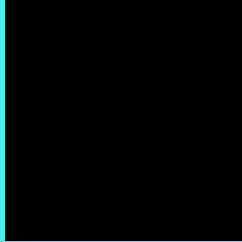
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2787, 0.2364, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 68.2787, 0.2364, 0.3390.

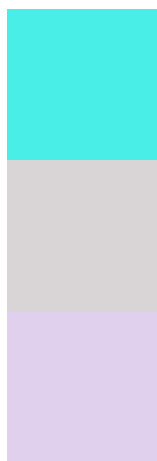


This preview shows how white text looks on a background with the Yxy color 68.2787, 0.2364, 0.3390.

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

68.2787, 0.2364, 0.3390

Protanopia

67.2465, 0.3143, 0.3268

Deuteranopia

67.0735, 0.3047, 0.2980



Tritanopia

67.9159, 0.2294, 0.3056

Trichromacy



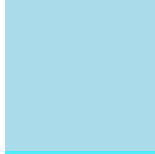
Original Color

68.2787, 0.2364, 0.3390



Protanomaly

65.4092, 0.2763, 0.3313



Deuteranomaly

65.0386, 0.2706, 0.3112



Tritanomaly

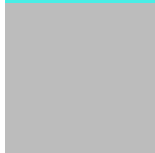
67.7586, 0.2315, 0.3163

Monochromacy



Original Color

68.2787, 0.2364, 0.3390



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.5654, 0.2727, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2787, 0.2364, 0.3390 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, 238, 230)` looks like.

```
.text, #text, p{  
    color:rgb(73, 238, 230)  
}
```

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, 238, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 238, 230) }
```

Border

The CSS property to change the border of an element to Yxy 68.2787, 0.2364, 0.3390 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, 238, 230) }
```

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

```
.border{ border-color:rgb(73, 238, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 238, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 238, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 238, 230);  
box-shadow:4px 4px 4px 4px rgb(73, 238,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2787, 0.2364, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 238, 230) }
```

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

```
.background{ background-color: rgb(73, 238,  
230) }
```

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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