

Converting Colors

$Yxy(67.0839, 0.2392, 0.3401)$

Have a look what the booklet for
Yxy(67.0839, 0.2392, 0.3401)
contains.

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Color

Yxy(67.3308, 0.2393, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	52ECE3
RGB	82, 236, 227
RGB Percent	32%, 93%, 89%
CMY	0.6780, 0.0745, 0.1098
CMYK	0.65, 0.00, 0.04, 0.07
HSL	176°, 80%, 62%
HSV	176°, 65%, 93%
XYZ	47.3472, 67.3308, 83.1792
YIQ	188.9280, -88.8950, -35.4470

Conversions

Conversions Part 2

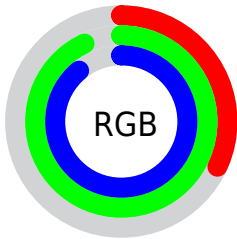
Format	Color
RYB	82, 161, 236
Decimal	5434595
CIELab	85.67, -41.88, -7.54
CIELCh	86, 42.550, 190.201
Yxy	67.3308, 0.2393, 0.3403
Android (android.graphics.Color)	4283624675 (0xFF52ECE3)
YUV	188.9280, 18.7695, -93.7759
Hunter-Lab	82.0553, -40.5996, -2.6633

Details

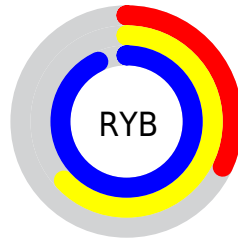
The Yxy color **67.3308, 0.2393, 0.3403** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.6391, 0.5148, 0.3211**, and the grayscale version is **50.7915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **35.2188, 0.2280, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **66.3738, 0.2343, 0.3423**, and if you desaturate by 10%, it is **68.6573, 0.2462, 0.3384**.

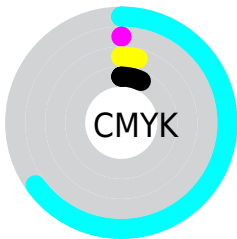
Distribution



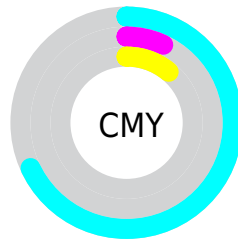
- Red (32%)
- Green (93%)
- Blue (89%)



- Red (32%)
- Yellow (63%)
- Blue (93%)



- Cyan (65%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)




- Cyan (68%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3308, 0.2393, 0.3403 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 67.3308, 0.2393, 0.3403 by changing the saturation by 10% instead.


 67.3308, 0.2393,
0.3403

 67.3308, 0.2393,
0.3403


451.1213, 0.2730,
0.3358


 49.3535, 0.2317,
0.3411

 115.3943, 0.2509,
0.3389

 34.9000, 0.2224,
0.3421


 146.2493, 0.2555,
0.3383

 23.5858, 0.2107,
0.3431


 182.1656, 0.2594,
0.3377

 15.0267, 0.1956,
0.3442

 223.5277, 0.2628,
0.3373

 8.8381, 0.1756,
0.3451

270.7199, 0.2658,
0.3368

 4.6357, 0.1479,
0.3452

324.1267, 0.2685,

 2.0352, 0.1057,

0.3365

384.1323, 0.2709,
0.3361

0.3433

0.6278, 0.0000,
0.3376

0.0000, 0.0000,
0.0000

67.3308, 0.2393,
0.3403

67.3308, 0.2393,
0.3403

66.3738, 0.2343,
0.3423

68.6573, 0.2462,
0.3384

65.7396, 0.2313,
0.3442


70.3792, 0.2550,
0.3364


65.3826, 0.2300,
0.3462


72.5287, 0.2655,
0.3346


65.2738, 0.2298,
0.3471

75.1329, 0.2776,
0.3329

 78.2163, 0.2908,
0.3312

 81.8020, 0.3050,
0.3297

 85.9114, 0.3199,
0.3284

 87.4234, 0.3242,
0.3270

 87.5047, 0.3234,
0.3257

Harmonies

Analogous

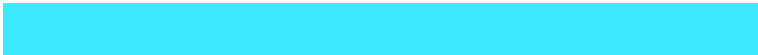
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3308, 0.2791, 0.3914



67.3308, 0.2393, 0.3403



67.3308, 0.2193, 0.2908

Triad

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



67.3308, 0.2393, 0.3403



67.3308, 0.2885, 0.2529



67.3308, 0.4111, 0.3925

Complementary

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



67.3308, 0.2393, 0.3403



24.6391, 0.5148, 0.3211

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.



67.3308, 0.4161, 0.3532



67.3308, 0.2393, 0.3403



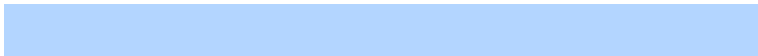
67.3308, 0.3417, 0.2766

Square

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



67.3308, 0.2393, 0.3403



67.3308, 0.2457, 0.2457



67.3308, 0.3901, 0.3121



67.3308, 0.3787, 0.4198

Rectangle

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



67.3308, 0.2393, 0.3403



67.3308, 0.2184, 0.2666



67.3308, 0.3901, 0.3121



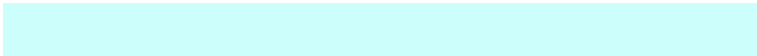
67.3308, 0.4162, 0.3802

Sweetspot

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



67.3334, 0.2393, 0.3403



91.3870, 0.2842, 0.3320



62.8931, 0.3072, 0.5370



19.3431, 0.2805, 0.3325



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.



67.3334, 0.2393, 0.3403



78.8580, 0.2332, 0.3429



36.3453, 0.2137, 0.2362



17.1058, 0.2989, 0.3304



35.9885, 0.2297, 0.3468



2.8306, 0.2289, 0.3441

Inverse Universe

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



24.6391, 0.5148, 0.3211



24.5119, 0.5745, 0.3223



39.8713, 0.4686, 0.3990



15.0683, 0.3284, 0.3277



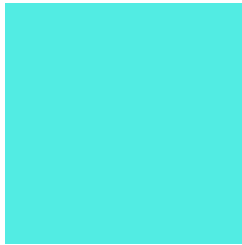
9.8530, 0.6338, 0.3265



0.7787, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 67.3308, 0.2393, 0.3403 looks on a white background.

Color Contrast Check

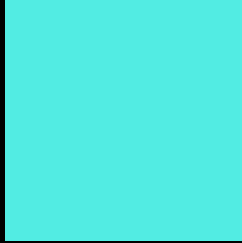
Large Text (above 18pt) WCAG AA × Fail

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 67.3308, 0.2393, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

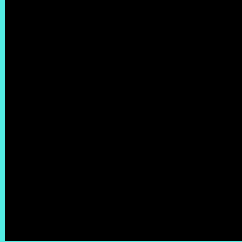
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

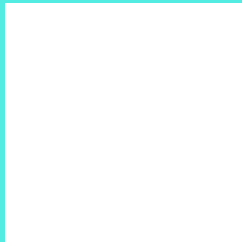
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.3308, 0.2393, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 67.3308, 0.2393, 0.3403.

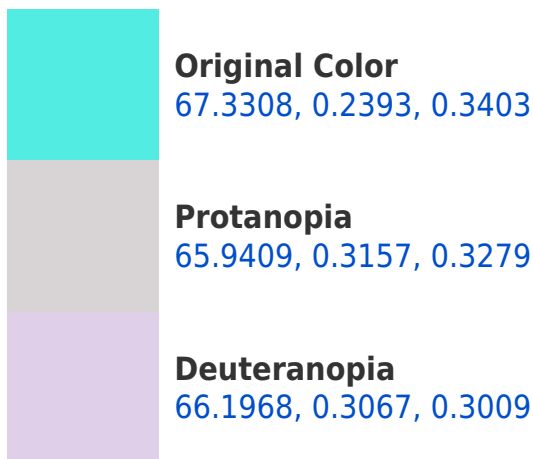


This preview shows how white text looks on a background with the Yxy color 67.3308, 0.2393, 0.3403.

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

67.0579, 0.2319, 0.3055

Trichromacy



Original Color

67.3308, 0.2393, 0.3403



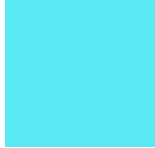
Protanomaly

64.4116, 0.2791, 0.3325



Deuteranomaly

64.6830, 0.2739, 0.3135



Tritanomaly

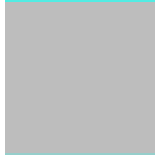
66.8623, 0.2345, 0.3176

Monochromacy



Original Color

67.3308, 0.2393, 0.3403



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.9384, 0.2752, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3308, 0.2393, 0.3403 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, 236, 227)` looks like.

```
.text, #text, p{  
    color:rgb(82, 236, 227)  
}
```

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, 236, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 236, 227) }
```

Border

The CSS property to change the border of an element to Yxy 67.3308, 0.2393, 0.3403 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, 236, 227) }
```

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

```
.border{ border-color:rgb(82, 236, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 236, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 236, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 236, 227);  
box-shadow:4px 4px 4px 4px rgb(82, 236,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3308, 0.2393, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 236, 227) }
```

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

```
.background{ background-color: rgb(82, 236,  
227) }
```

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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