

Converting Colors

$Yxy(63.8998, 0.2404, 0.3379)$

Have a look what the booklet for
Yxy(63.8998, 0.2404, 0.3379)
contains.

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Color

Yxy(63.8998, 0.2404, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	56E6DF
RGB	86, 230, 223
RGB Percent	34%, 90%, 87%
CMY	0.6622, 0.0981, 0.1255
CMYK	0.63, 0.00, 0.03, 0.10
HSL	177°, 74%, 62%
HSV	177°, 63%, 90%
XYZ	45.4617, 63.8998, 79.7471
YIQ	186.1460, -83.5770, -32.7050

Conversions

Conversions Part 2

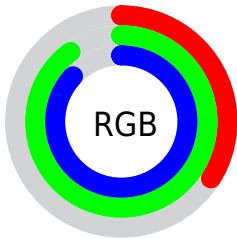
Format	Color
RYB	86, 160, 230
Decimal	5695199
CIELab	83.91, -39.64, -8.02
CIELCh	84, 40.438, 191.433
Yxy	63.8998, 0.2404, 0.3379
Android (android.graphics.Color)	4283885279 (0xFF56E6DF)
YUV	186.1460, 18.1690, -87.8280
Hunter-Lab	79.9374, -38.3744, -3.1927

Details

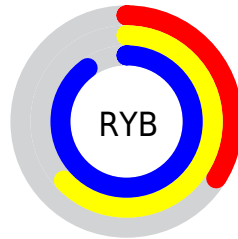
The Yxy color **63.8998, 0.2404, 0.3379** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.2905, 0.5039, 0.3225**, and the grayscale version is **49.1401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **33.0993, 0.2276, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **62.9186, 0.2349, 0.3395**, and if you desaturate by 10%, it is **65.2376, 0.2479, 0.3363**.

Distribution



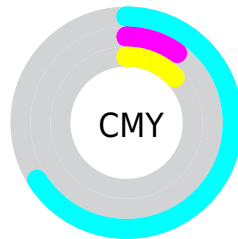
- Red (34%)
- Green (90%)
- Blue (87%)



- Red (34%)
- Yellow (63%)
- Blue (90%)



- Cyan (63%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (66%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8998, 0.2404, 0.3379 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 63.8998, 0.2404, 0.3379 by changing the saturation by 10% instead.


 63.8998, 0.2404,
0.3379

 63.8998, 0.2404,
0.3379


438.8277, 0.2739,
0.3345


 46.5695, 0.2328,
0.3385

 110.4666, 0.2520,
0.3369

 32.6955, 0.2234,
0.3391


 140.4720, 0.2565,
0.3364

 21.8933, 0.2115,
0.3397


 175.4711, 0.2604,
0.3360

 13.7785, 0.1962,
0.3402

 215.8484, 0.2638,
0.3356

 7.9668, 0.1756,
0.3403

261.9884, 0.2668,
0.3353

 4.0737, 0.1469,
0.3391

314.2753, 0.2695,

 1.7149, 0.0975,

0.3350

373.0936, 0.2718,
0.3347

0.3368

0.4333, 0.0000,
0.2953

0.0000, 0.0000,
0.0000

63.8998, 0.2404,
0.3379

63.8998, 0.2404,
0.3379

62.9186, 0.2349,
0.3395

65.2376, 0.2479,
0.3363

62.2516, 0.2312,
0.3411


66.9550, 0.2572,
0.3347


61.8589, 0.2294,
0.3427


69.0816, 0.2683,
0.3332

61.6946, 0.2289,
0.3439


71.6421, 0.2807,
0.3318

 74.6592, 0.2944,
0.3305

 78.1541, 0.3089,
0.3293

 82.1465, 0.3240,
0.3282

 83.6732, 0.3288,
0.3271

 83.7370, 0.3280,
0.3260

Harmonies

Analogous

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



63.8998, 0.2784, 0.3874



63.8998, 0.2404, 0.3379



63.8998, 0.2218, 0.2905

Triad

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



63.8998, 0.2404, 0.3379



63.8998, 0.2913, 0.2558



63.8998, 0.4072, 0.3922

Complementary

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



63.8998, 0.2404, 0.3379



24.2905, 0.5039, 0.3225

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.



63.8998, 0.4131, 0.3544



63.8998, 0.2404, 0.3379



63.8998, 0.3430, 0.2794

Square

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



63.8998, 0.2404, 0.3379



63.8998, 0.2492, 0.2481



63.8998, 0.3890, 0.3143



63.8998, 0.3751, 0.4175

Rectangle

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



63.8998, 0.2404, 0.3379



63.8998, 0.2215, 0.2675



63.8998, 0.3890, 0.3143



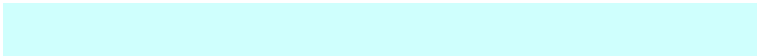
63.8998, 0.4124, 0.3804

Sweetspot

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



63.9022, 0.2404, 0.3379



91.7898, 0.2853, 0.3314



59.6080, 0.3065, 0.5291



19.4229, 0.2815, 0.3317



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.



63.9022, 0.2404, 0.3379



79.2370, 0.2336, 0.3400



34.6994, 0.2163, 0.2373



16.3237, 0.2988, 0.3301



34.9356, 0.2288, 0.3437



2.5854, 0.2282, 0.3413

Inverse Universe

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



24.2905, 0.5039, 0.3225



25.3804, 0.5637, 0.3232



39.5866, 0.4581, 0.3997



14.3793, 0.3285, 0.3279



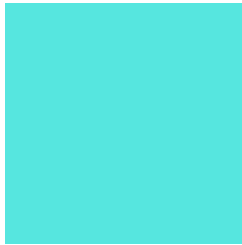
9.5433, 0.6348, 0.3270



0.7092, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 63.8998, 0.2404, 0.3379 looks on a white background.

Color Contrast Check

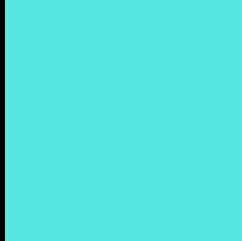
Large Text (above 18pt) WCAG AA × Fail

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 63.8998, 0.2404, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

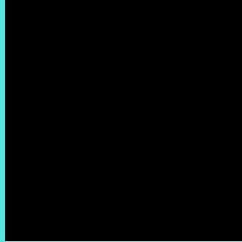
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8998, 0.2404, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 63.8998, 0.2404, 0.3379.

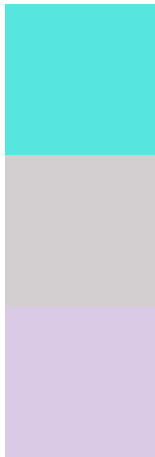


This preview shows how white text looks on a background with the Yxy color 63.8998, 0.2404, 0.3379.

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

63.8998, 0.2404, 0.3379

Protanopia

63.0780, 0.3143, 0.3267

Deuteranopia

62.8036, 0.3058, 0.2993



Tritanopia

64.0175, 0.2334, 0.3064

Trichromacy



Original Color

63.8998, 0.2404, 0.3379



Protanomaly

61.5629, 0.2797, 0.3301



Deuteranomaly

61.1791, 0.2743, 0.3109



Tritanomaly

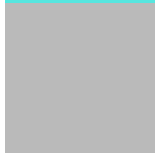
63.8765, 0.2357, 0.3174

Monochromacy



Original Color

63.8998, 0.2404, 0.3379



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

52.8486, 0.2772, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8998, 0.2404, 0.3379 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(86, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(86, 230, 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(86, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 230, 223) }
```

Border

The CSS property to change the border of an element to Yxy 63.8998, 0.2404, 0.3379 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(86, 230, 223) }
```

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

```
.border{ border-color:rgb(86, 230, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 230, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(86, 230,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8998, 0.2404, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 230, 223) }
```

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

```
.background{ background-color: rgb(86, 230,  
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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