

Converting Colors

$Yxy(65.5442, 0.2635, 0.3435)$

Have a look what the booklet for
Yxy(65.5442, 0.2635, 0.3435)
contains.

Yxy(65.6789, 0.2634, 0.3439)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.6789, 0.2634, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	88E4D8
RGB	136, 228, 216
RGB Percent	53%, 89%, 85%
CMY	0.4663, 0.1059, 0.1529
CMYK	0.40, 0.00, 0.05, 0.11
HSL	172°, 63%, 71%
HSV	172°, 40%, 89%
XYZ	50.3048, 65.6789, 74.9988
YIQ	199.1240, -50.9800, -23.2360

Conversions

Conversions Part 2

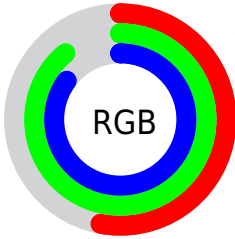
Format	Color
RYB	136, 185, 228
Decimal	8971480
CIELab	84.83, -30.18, -2.78
CIELCh	85, 30.304, 185.263
Yxy	65.6789, 0.2634, 0.3439
Android (android.graphics.Color)	4287161560 (0xFF88E4D8)
YUV	199.1240, 8.3199, -55.3597
Hunter-Lab	81.0425, -31.0257, 1.8613

Details

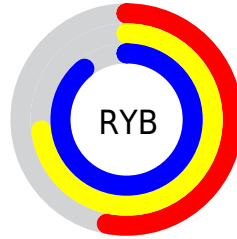
The Yxy color **65.6789, 0.2634, 0.3439** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2707, 0.4012, 0.3153**, and the grayscale version is **57.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **33.7405, 0.2514, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **63.8172, 0.2543, 0.3482**, and if you desaturate by 10%, it is **67.9547, 0.2740, 0.3398**.

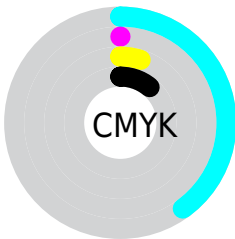
Distribution



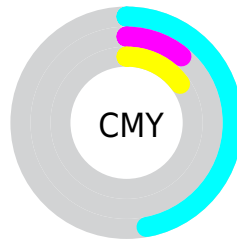
- Red (53%)
- Green (89%)
- Blue (85%)



- Red (53%)
- Yellow (73%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6789, 0.2634, 0.3439 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 65.6789, 0.2634, 0.3439 by changing the saturation by 10% instead.

 65.6789, 0.2634,
0.3439

 65.6789, 0.2634,
0.3439

445.2276, 0.2864,
0.3371

 48.0118, 0.2581,
0.3454


 113.0253, 0.2714,
0.3416

 33.8362, 0.2515,
0.3473

 143.4735, 0.2745,
0.3407

 22.7678, 0.2432,
0.3496


 178.9507, 0.2772,
0.3399

 14.4222, 0.2322,
0.3526

219.8415, 0.2795,
0.3392

 8.4149, 0.2172,
0.3565

266.5302, 0.2816,
0.3386

 4.3615, 0.1956,
0.3618

319.4012, 0.2834,

 1.8778, 0.1621,

0.3380

378.8388, 0.2850,
0.3376

0.3693

0.5350, 0.0000,
0.4078

0.0000, 0.0000,
0.0000

65.6789, 0.2634,
0.3439

65.6789, 0.2634,
0.3439

63.8172, 0.2543,
0.3482

67.9547, 0.2740,
0.3398

62.3358, 0.2470,
0.3527


70.6604, 0.2859,
0.3359

61.2082, 0.2415,
0.3573


73.8206, 0.2988,
0.3324

60.4015, 0.2381,
0.3619

77.4555, 0.3123,
0.3291

 59.8761, 0.2365,
0.3665


 81.5844, 0.3262,
0.3262

 59.5698, 0.2364,
0.3709

 82.6713, 0.3277,
0.3233

 82.8434, 0.3257,
0.3203

 83.0184, 0.3238,
0.3174

 83.1962, 0.3218,
0.3146

Harmonies

Analogous

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



65.6789, 0.2949, 0.3776



65.6789, 0.2634, 0.3439



65.6789, 0.2454, 0.3078

Triad

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



65.6789, 0.2634, 0.3439



65.6789, 0.2897, 0.2708



65.6789, 0.3858, 0.3724

Complementary

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



65.6789, 0.2634, 0.3439



36.2707, 0.4012, 0.3153

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.



65.6789, 0.3851, 0.3431



65.6789, 0.2634, 0.3439



65.6789, 0.3277, 0.2867

Square

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



65.6789, 0.2634, 0.3439



65.6789, 0.2598, 0.2682



65.6789, 0.3633, 0.3125



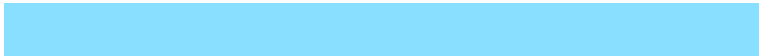
65.6789, 0.3661, 0.3926

Rectangle

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



65.6789, 0.2634, 0.3439



65.6789, 0.2426, 0.2883



65.6789, 0.3633, 0.3125



65.6789, 0.3880, 0.3632

Sweetspot

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



65.6815, 0.2634, 0.3439



94.3971, 0.2964, 0.3330



63.5897, 0.3147, 0.4500



20.0859, 0.2947, 0.3334



0.0000, 0.0000, 0.0000



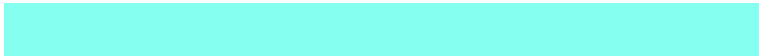
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6815, 0.2634, 0.3439



82.7088, 0.2560, 0.3473



49.5599, 0.2505, 0.2852



16.3024, 0.2999, 0.3321



34.4146, 0.2362, 0.3702



2.5522, 0.2343, 0.3635

Inverse Universe

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



36.2707, 0.4012, 0.3153



40.0814, 0.4290, 0.3128



46.9454, 0.3984, 0.3684



14.3984, 0.3272, 0.3260



9.5872, 0.6229, 0.3205



0.7184, 0.5900, 0.3024

Previews

White Background



This preview shows how the Yxy color 65.6789, 0.2634, 0.3439 looks on a white background.

Color Contrast Check

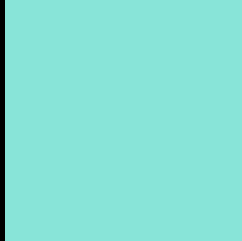
Large Text (above 18pt) WCAG AA × Fail

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 65.6789, 0.2634, 0.3439 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 65.6789, 0.2634, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 65.6789, 0.2634, 0.3439.

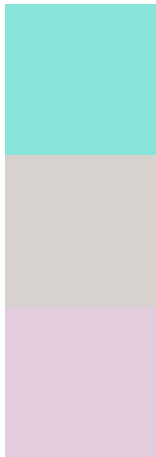


This preview shows how white text looks on a background with the Yxy color 65.6789, 0.2634, 0.3439.

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

65.6789, 0.2634, 0.3439

Protanopia

65.1483, 0.3200, 0.3335

Deuteranopia

64.5749, 0.3174, 0.3105



Tritanopia

65.5618, 0.2531, 0.3072

Trichromacy



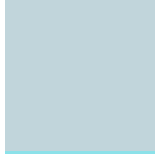
Original Color

65.6789, 0.2634, 0.3439



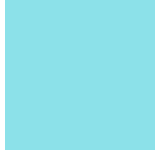
Protanomaly

64.8436, 0.2961, 0.3373



Deuteranomaly

64.0404, 0.2945, 0.3220



Tritanomaly

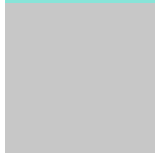
65.3091, 0.2562, 0.3191

Monochromacy



Original Color

65.6789, 0.2634, 0.3439



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.7311, 0.2916, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6789, 0.2634, 0.3439 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(136, 228, 216)` looks like.

```
.text, #text, p{  
    color:rgb(136, 228, 216)  
}
```

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(136, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 228, 216) }
```

Border

The CSS property to change the border of an element to Yxy 65.6789, 0.2634, 0.3439 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(136, 228, 216) }
```

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

```
.border{ border-color:rgb(136, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 228, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 228, 216);  
box-shadow:4px 4px 4px 4px rgb(136, 228,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6789, 0.2634, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 228, 216) }
```

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

```
.background{ background-color: rgb(136,  
228, 216) }
```

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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