

Converting Colors

$Yxy(65.0657, 0.2528, 0.3804)$

Have a look what the booklet for
Yxy(65.0657, 0.2528, 0.3804)
contains.

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Color

Yxy(65.2870, 0.2531, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	54EBC4
RGB	84, 235, 196
RGB Percent	33%, 92%, 77%
CMY	0.6710, 0.0784, 0.2312
CMYK	0.64, 0.00, 0.17, 0.08
HSL	165°, 79%, 63%
HSV	165°, 64%, 92%
XYZ	43.3250, 65.2870, 62.5653
YIQ	185.4050, -77.4770, -44.1410

Conversions

Conversions Part 2

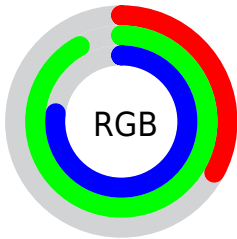
Format	Color
RYB	84, 171, 235
Decimal	5565380
CIELab	84.63, -48.95, 7.23
CIELCh	85, 49.486, 171.599
Yxy	65.2870, 0.2531, 0.3814
Android (android.graphics.Color)	4283755460 (0xFF54EBC4)
YUV	185.4050, 5.2233, -88.9322
Hunter-Lab	80.8004, -45.6894, 10.6509

Details

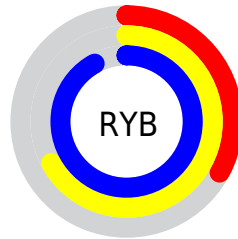
The Yxy color **65.2870, 0.2531, 0.3814** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **25.4163, 0.4666, 0.2893**, and the grayscale version is **48.7439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9077, 0.2562, 0.3311**, and **33.7938, 0.2430, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **64.1119, 0.2494, 0.3911**, and if you desaturate by 10%, it is **66.8418, 0.2587, 0.3719**.

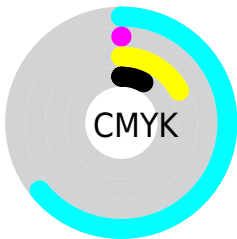
Distribution



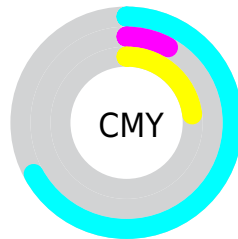
- Red (33%)
- Green (92%)
- Blue (77%)



- Red (33%)
- Yellow (67%)
- Blue (92%)



- Cyan (64%)
- Magenta (0%)
- Yellow (17%)
- Black (8%)





- Cyan (67%)
- Magenta (8%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2870, 0.2531, 0.3814 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 65.2870, 0.2531, 0.3814 by changing the saturation by 10% instead.


 65.2870, 0.2531,
0.3814


 65.2870, 0.2531,
0.3814


443.8226, 0.2814,
0.3560


 47.6938, 0.2465,
0.3875

 112.4624, 0.2631,
0.3723


 33.5845, 0.2382,
0.3952


 142.8134, 0.2669,
0.3689

 22.5746, 0.2276,
0.4052


 178.1858, 0.2702,
0.3660

 14.2797, 0.2136,
0.4187

 218.9640, 0.2730,
0.3634

 8.3155, 0.1942,
0.4379

265.5324, 0.2755,
0.3612

 4.2975, 0.1660,
0.4671

318.2753, 0.2777,

 1.8413, 0.0991,

0.3593

0.5299

377.5773, 0.2797,
0.3575

0.5127, 0.0000,
0.9066

0.0000, 0.0000,
0.0000

65.2870, 0.2531,
0.3814

65.2870, 0.2531,
0.3814

64.1119, 0.2494,
0.3911

66.8418, 0.2587,
0.3719

63.2706, 0.2478,
0.4009


68.8016, 0.2661,
0.3628


62.7191, 0.2481,
0.4105


71.1982, 0.2749,
0.3541

62.4935, 0.2489,
0.4160


74.0582, 0.2850,
0.3460

 77.4059, 0.2960,
0.3385

 81.2640, 0.3076,
0.3317

 85.6538, 0.3196,
0.3256

 87.2455, 0.3202,
0.3198

 87.6209, 0.3164,
0.3139

Harmonies

Analogous

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



65.2870, 0.3088, 0.4302



65.2870, 0.2531, 0.3814



65.2870, 0.2157, 0.3177

Triad

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



65.2870, 0.2531, 0.3814



65.2870, 0.2512, 0.2336



65.2870, 0.4360, 0.3736

Complementary

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



65.2870, 0.2531, 0.3814



25.4163, 0.4666, 0.2893

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.



65.2870, 0.4194, 0.3261



65.2870, 0.2531, 0.3814



65.2870, 0.3068, 0.2497

Square

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



65.2870, 0.2531, 0.3814



65.2870, 0.2152, 0.2382



65.2870, 0.3700, 0.2824



65.2870, 0.4159, 0.4164

Rectangle

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



65.2870, 0.2531, 0.3814



65.2870, 0.2044, 0.2810



65.2870, 0.3700, 0.2824



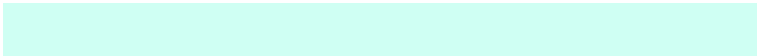
65.2870, 0.4347, 0.3578

Sweetspot

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



65.2896, 0.2531, 0.3814



91.1619, 0.2906, 0.3420



64.3603, 0.3231, 0.5245



19.2692, 0.2875, 0.3442



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.



65.2896, 0.2531, 0.3814



76.8162, 0.2487, 0.3941



49.0724, 0.2251, 0.2815



17.0517, 0.3015, 0.3351



34.7993, 0.2485, 0.4145



2.7481, 0.2448, 0.4011

Inverse Universe

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



25.4163, 0.4666, 0.2893



25.4624, 0.5172, 0.2891



31.5344, 0.4926, 0.3657



15.1178, 0.3252, 0.3229



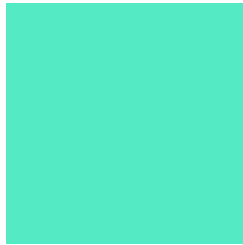
10.0326, 0.5902, 0.3025



0.8031, 0.5510, 0.2809

Previews

White Background



This preview shows how the Yxy color 65.2870, 0.2531, 0.3814 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 65.2870, 0.2531, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

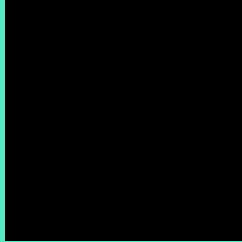
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2870, 0.2531, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 65.2870, 0.2531, 0.3814.



This preview shows how white text looks on a background with the Yxy color 65.2870, 0.2531, 0.3814.

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

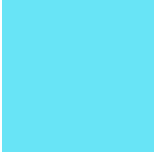
65.2870, 0.2531, 0.3814

Protanopia

64.1940, 0.3406, 0.3598

Deuteranopia

64.1795, 0.3354, 0.3291



Tritanopia

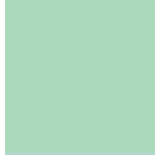
65.0837, 0.2359, 0.3066

Trichromacy



Original Color

65.2870, 0.2531, 0.3814



Protanomaly

62.3886, 0.2997, 0.3679



Deuteranomaly

62.2360, 0.2963, 0.3473



Tritanomaly

65.2947, 0.2420, 0.3326

Monochromacy



Original Color

65.2870, 0.2531, 0.3814



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.6819, 0.2822, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2870, 0.2531, 0.3814 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(84, 235, 196)` looks like.

```
.text, #text, p{  
    color:rgb(84, 235, 196)  
}
```

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(84, 235, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 235, 196) }
```

Border

The CSS property to change the border of an element to Yxy 65.2870, 0.2531, 0.3814 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(84, 235, 196) }
```

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

```
.border{ border-color:rgb(84, 235, 196) }
```

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

Here you see how a box with a 4 pixel rgb(84, 235, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 235, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 235, 196);  
box-shadow:4px 4px 4px 4px rgb(84, 235,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2870, 0.2531, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 235, 196) }
```

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

```
.background{ background-color: rgb(84, 235,  
196) }
```

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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