

Converting Colors

$Y_{xy}(60.5250, 0.2358, 0.3406)$

Have a look what the booklet for
Yxy(60.5250, 0.2358, 0.3406)
contains.

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Color

Yxy(60.5263, 0.2360, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	41E2D9
RGB	65, 226, 217
RGB Percent	25%, 89%, 85%
CMY	0.7450, 0.1137, 0.1490
CMYK	0.71, 0.00, 0.04, 0.11
HSL	177°, 74%, 57%
HSV	177°, 71%, 89%
XYZ	41.9015, 60.5263, 75.1208
YIQ	176.8350, -93.0670, -36.9310

Conversions

Conversions Part 2

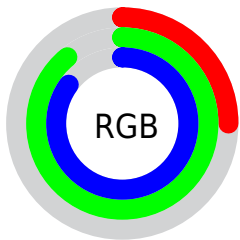
Format	Color
RYB	65, 148, 226
Decimal	4317913
CIELab	82.12, -42.41, -7.55
CIELCh	82, 43.072, 190.090
Yxy	60.5263, 0.2360, 0.3409
Android (android.graphics.Color)	4282507993 (0xFF41E2D9)
YUV	176.8350, 19.8013, -98.0793
Hunter-Lab	77.7987, -40.0096, -2.7902

Details

The Yxy color **60.5263, 0.2360, 0.3409** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.4470, 0.5428, 0.3217**, and the grayscale version is **43.8104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **31.3581, 0.2287, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **59.8397, 0.2322, 0.3428**, and if you desaturate by 10%, it is **61.5264, 0.2418, 0.3390**.

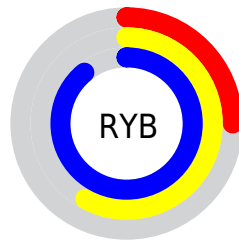
Distribution



Red (25%)

Green (89%)

Blue (85%)



Red (25%)

Yellow (58%)

Blue (89%)

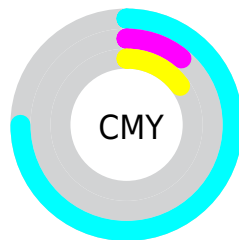


Cyan (71%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (75%)

Magenta (11%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5263, 0.2360, 0.3409 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 60.5263, 0.2360, 0.3409 by changing the saturation by 10% instead.


 60.5263, 0.2360,
0.3409

 60.5263, 0.2360,
0.3409


426.5350, 0.2719,
0.3361


 43.8430, 0.2278,
0.3418


 105.5928, 0.2485,
0.3394


 30.5471, 0.2176,
0.3428


 134.7447, 0.2533,
0.3387

 20.2542, 0.2047,
0.3439


 168.8216, 0.2575,
0.3382

 12.5800, 0.1880,
0.3450

 208.2079, 0.2611,
0.3377

 7.1400, 0.1655,
0.3457

253.2880, 0.2643,
0.3372

 3.5498, 0.1340,
0.3452

304.4463, 0.2671,

 1.4251, 0.0592,

0.3368

0.3510

362.0672, 0.2696,
0.3364

■ 0.2351, 0.0000,
0.2308

■ 0.0000, 0.0000,
0.0000

■ 60.5263, 0.2360,
0.3409

■ 60.5263, 0.2360,
0.3409

■ 59.8397, 0.2322,
0.3428

■ 61.5264, 0.2418,
0.3390


■ 59.4204, 0.2301,
0.3446


■ 62.8658, 0.2495,
0.3372

■ 59.2169, 0.2295,
0.3462


■ 64.5757, 0.2590,
0.3354


■ 66.6816, 0.2702,
0.3337

 69.2069, 0.2827,
0.3320

 72.1731, 0.2964,
0.3305

 75.6003, 0.3109,
0.3292

 79.5073, 0.3259,
0.3279

 81.2764, 0.3316,
0.3267

Harmonies

Analogous

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



60.5263, 0.2775, 0.3949



60.5263, 0.2360, 0.3409



60.5263, 0.2152, 0.2888

Triad

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



60.5263, 0.2360, 0.3409



60.5263, 0.2870, 0.2496



60.5263, 0.4158, 0.3949

Complementary

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



60.5263, 0.2360, 0.3409



20.4470, 0.5428, 0.3217

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.



60.5263, 0.4211, 0.3538



60.5263, 0.2360, 0.3409



60.5263, 0.3428, 0.2741

Square

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



60.5263, 0.2360, 0.3409



60.5263, 0.2425, 0.2420



60.5263, 0.3937, 0.3110



60.5263, 0.3818, 0.4240

Rectangle

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



60.5263, 0.2360, 0.3409



60.5263, 0.2143, 0.2636



60.5263, 0.3937, 0.3110



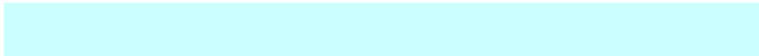
60.5263, 0.4212, 0.3820

Sweetspot

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



60.5286, 0.2360, 0.3409



91.0286, 0.2828, 0.3320



56.3025, 0.3061, 0.5539



19.2738, 0.2792, 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.



60.5286, 0.2360, 0.3409



78.4008, 0.2311, 0.3436



30.4747, 0.2067, 0.2263



15.5584, 0.2989, 0.3303



33.7884, 0.2294, 0.3459



2.3461, 0.2286, 0.3431

Inverse Universe

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



20.4470, 0.5428, 0.3217



22.8957, 0.6018, 0.3240



33.8178, 0.4867, 0.4019



13.7129, 0.3283, 0.3277



9.2458, 0.6339, 0.3265



0.6453, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 60.5263, 0.2360, 0.3409 looks on a white background.

Color Contrast Check

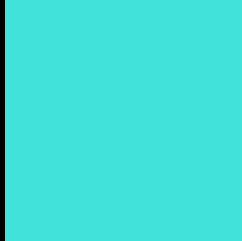
Large Text (above 18pt) WCAG AA × Fail

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 60.5263, 0.2360, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

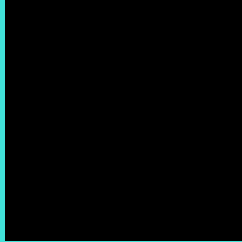
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.5263, 0.2360, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 60.5263, 0.2360, 0.3409.

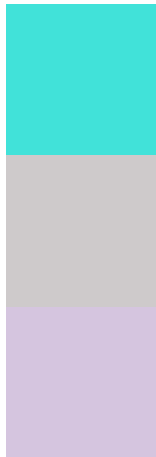


This preview shows how white text looks on a background with the Yxy color 60.5263, 0.2360, 0.3409.

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

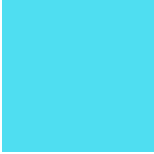
60.5263, 0.2360, 0.3409

Protanopia

59.6747, 0.3151, 0.3278

Deuteranopia

59.4064, 0.3064, 0.2997



Tritanopia

60.2557, 0.2285, 0.3044

Trichromacy



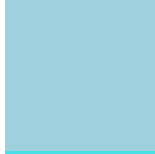
Original Color

60.5263, 0.2360, 0.3409



Protanomaly

58.1112, 0.2759, 0.3327



Deuteranomaly

57.7031, 0.2705, 0.3127



Tritanomaly

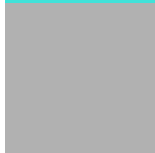
60.0574, 0.2311, 0.3170

Monochromacy



Original Color

60.5263, 0.2360, 0.3409



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.0702, 0.2715, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5263, 0.2360, 0.3409 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(65, 226, 217)` looks like.

```
.text, #text, p{  
    color:rgb(65, 226, 217)  
}
```

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(65, 226, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 226, 217) }
```

Border

The CSS property to change the border of an element to Yxy 60.5263, 0.2360, 0.3409 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(65, 226, 217) }
```

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

```
.border{ border-color:rgb(65, 226, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 226, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 226, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 226, 217);  
box-shadow:4px 4px 4px 4px rgb(65, 226,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5263, 0.2360, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 226, 217) }
```

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

```
.background{ background-color: rgb(65, 226,  
217) }
```

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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