

Converting Colors

$Y_{xy}(65.4782, 0.2351, 0.3339)$

Have a look what the booklet for
Yxy(65.4782, 0.2351, 0.3339)
contains.

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Color

Yxy(65.3514, 0.2352, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	49E9E5
RGB	73, 233, 229
RGB Percent	29%, 91%, 90%
CMY	0.7136, 0.0863, 0.1018
CMYK	0.69, 0.00, 0.02, 0.09
HSL	179°, 78%, 60%
HSV	179°, 69%, 91%
XYZ	46.0337, 65.3514, 84.3364
YIQ	184.7040, -94.0760, -35.1640

Conversions

Conversions Part 2

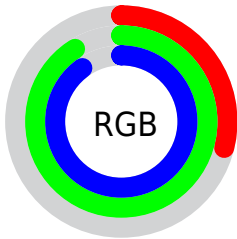
Format	Color
RYB	73, 154, 233
Decimal	4844005
CIELab	84.66, -41.24, -10.11
CIElCh	85, 42.462, 193.781
Yxy	65.3514, 0.2352, 0.3339
Android (android.graphics.Color)	4283034085 (0xFF49E9E5)
YUV	184.7040, 21.8379, -97.9644
Hunter-Lab	80.8402, -39.8252, -5.2660

Details

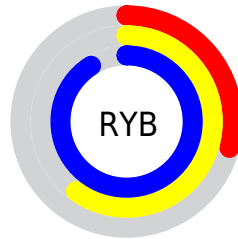
The Yxy color **65.3514, 0.2352, 0.3339** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.6287, 0.5380, 0.3262**, and the grayscale version is **48.2652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **34.5003, 0.2261, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **64.5752, 0.2307, 0.3347**, and if you desaturate by 10%, it is **66.4734, 0.2417, 0.3331**.

Distribution



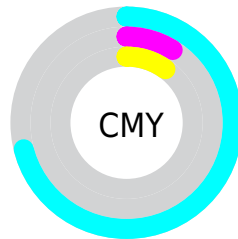
- Red (29%)
- Green (91%)
- Blue (90%)



- Red (29%)
- Yellow (60%)
- Blue (91%)



- Cyan (69%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)





- Cyan (71%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3514, 0.2352, 0.3339 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 65.3514, 0.2352, 0.3339 by changing the saturation by 10% instead.


 65.3514, 0.2352,
0.3339


 65.3514, 0.2352,
0.3339


444.0537, 0.2709,
0.3326


 47.7461, 0.2272,
0.3340


 112.5549, 0.2475,
0.3336


 33.6258, 0.2173,
0.3339


 142.9219, 0.2523,
0.3335

 22.6063, 0.2049,
0.3336


 178.3115, 0.2565,
0.3333

 14.3031, 0.1891,
0.3329

 219.1083, 0.2601,
0.3331

 8.3318, 0.1680,
0.3311

265.6964, 0.2633,
0.3330

 4.3080, 0.1391,
0.3272

318.4605, 0.2661,

 1.8473, 0.0927,

0.3328

0.3194

377.7847, 0.2686,
0.3327

0.5164, 0.0000,
0.2839

0.0000, 0.0000,
0.0000

65.3514, 0.2352,
0.3339

65.3514, 0.2352,
0.3339

64.5752, 0.2307,
0.3347

66.4734, 0.2417,
0.3331

64.0971, 0.2280,
0.3355


67.9678, 0.2500,
0.3323


63.8599, 0.2269,
0.3363


69.8671, 0.2603,
0.3315


63.8354, 0.2268,
0.3364

72.1983, 0.2721,
0.3308

 74.9860, 0.2853,
0.3301

 78.2530, 0.2997,
0.3295

 82.0204, 0.3148,
0.3289

 85.4581, 0.3273,
0.3284

 85.4914, 0.3270,
0.3278

Harmonies

Analogous

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



65.3514, 0.2732, 0.3865



65.3514, 0.2352, 0.3339



65.3514, 0.2178, 0.2854

Triad

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



65.3514, 0.2352, 0.3339



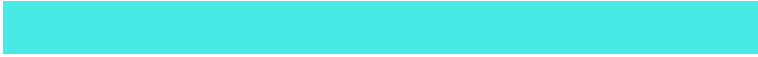
65.3514, 0.2943, 0.2544



65.3514, 0.4092, 0.3971

Complementary

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



65.3514, 0.2352, 0.3339



22.6287, 0.5380, 0.3262

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.



65.3514, 0.4180, 0.3583



65.3514, 0.2352, 0.3339



65.3514, 0.3484, 0.2800

Square

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



65.3514, 0.2352, 0.3339



65.3514, 0.2495, 0.2449



65.3514, 0.3953, 0.3167



65.3514, 0.3740, 0.4223

Rectangle

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



65.3514, 0.2352, 0.3339



65.3514, 0.2187, 0.2627



65.3514, 0.3953, 0.3167



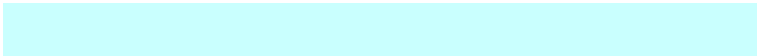
65.3514, 0.4156, 0.3851

Sweetspot

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



65.3539, 0.2352, 0.3339



91.1347, 0.2820, 0.3303



60.3940, 0.3044, 0.5485



19.2994, 0.2783, 0.3305



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.



65.3539, 0.2352, 0.3339



78.9887, 0.2295, 0.3350



31.8734, 0.2076, 0.2224



17.1151, 0.2985, 0.3296



36.2247, 0.2268, 0.3363



2.8466, 0.2264, 0.3352

Inverse Universe

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



22.6287, 0.5380, 0.3262



23.4460, 0.5974, 0.3271



38.8856, 0.4741, 0.4065



15.0601, 0.3289, 0.3285



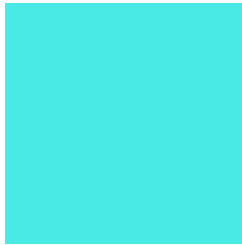
9.8397, 0.6374, 0.3285



0.7748, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 65.3514, 0.2352, 0.3339 looks on a white background.

Color Contrast Check

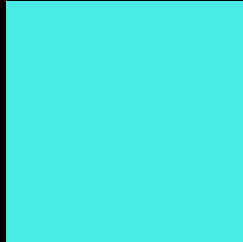
Large Text (above 18pt) WCAG AA × Fail

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 65.3514, 0.2352, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

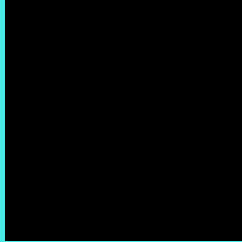
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3514, 0.2352, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 65.3514, 0.2352, 0.3339.

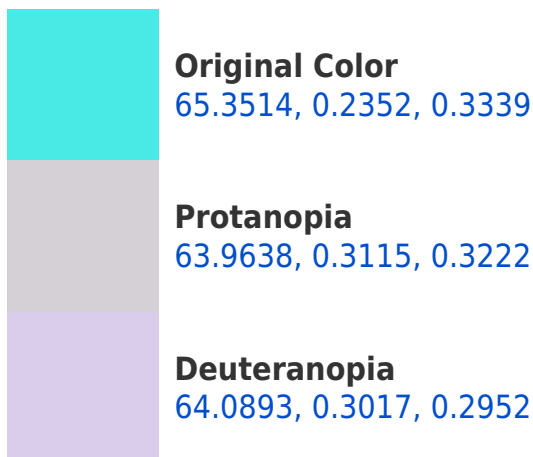


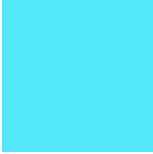
This preview shows how white text looks on a background with the Yxy color 65.3514, 0.2352, 0.3339.

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

65.3180, 0.2292, 0.3052

Trichromacy



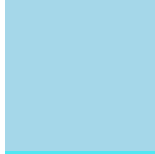
Original Color

65.3514, 0.2352, 0.3339



Protanomaly

62.3172, 0.2739, 0.3264



Deuteranomaly

62.4834, 0.2682, 0.3074



Tritanomaly

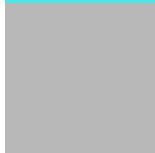
65.2681, 0.2312, 0.3149

Monochromacy



Original Color

65.3514, 0.2352, 0.3339



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.3874, 0.2721, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3514, 0.2352, 0.3339 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(73, 233, 229)` looks like.

```
.text, #text, p{  
    color:rgb(73, 233, 229)  
}
```

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(73, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 233, 229) }
```

Border

The CSS property to change the border of an element to Yxy 65.3514, 0.2352, 0.3339 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(73, 233, 229) }
```

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

```
.border{ border-color:rgb(73, 233, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 233, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(73, 233,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3514, 0.2352, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 233, 229) }
```

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

```
.background{ background-color: rgb(73, 233,  
229) }
```

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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