

Converting Colors

$Y_{xy}(65.4791, 0.2328, 0.3349)$

Have a look what the booklet for
Yxy(65.4791, 0.2328, 0.3349)
contains.

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Color

Yxy(65.4949, 0.2329, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	3DEAE5
RGB	61, 234, 229
RGB Percent	24%, 92%, 90%
CMY	0.7601, 0.0824, 0.1021
CMYK	0.74, 0.00, 0.02, 0.08
HSL	178°, 80%, 58%
HSV	178°, 74%, 92%
XYZ	45.4929, 65.4949, 84.3445
YIQ	181.7030, -101.5030, -38.2310

Conversions

Conversions Part 2

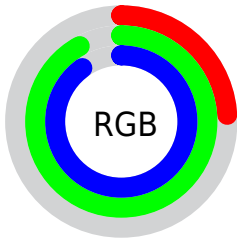
Format	Color
RYB	61, 149, 234
Decimal	4057829
CIELab	84.74, -43.10, -9.99
CIELCh	85, 44.244, 193.054
Yxy	65.4949, 0.2329, 0.3353
Android (android.graphics.Color)	4282247909 (0xFF3DEAE5)
YUV	181.7030, 23.3174, -105.8565
Hunter-Lab	80.9289, -41.2847, -5.1420

Details

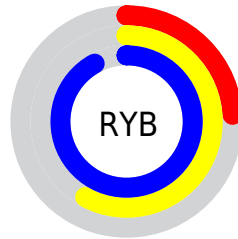
The Yxy color **65.4949, 0.2329, 0.3353** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.2432, 0.5613, 0.3258**, and the grayscale version is **46.5467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **34.5003, 0.2261, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **64.8696, 0.2294, 0.3363**, and if you desaturate by 10%, it is **66.4492, 0.2383, 0.3343**.

Distribution



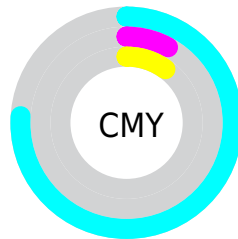
- Red (24%)
- Green (92%)
- Blue (90%)



- Red (24%)
- Yellow (58%)
- Blue (92%)



- Cyan (74%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)





- Cyan (76%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4949, 0.2329, 0.3353 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 65.4949, 0.2329, 0.3353 by changing the saturation by 10% instead.


 65.4949, 0.2329,
0.3353


 65.4949, 0.2329,
0.3353


444.5683, 0.2696,
0.3334

 47.8625, 0.2246,
0.3355


 112.7611, 0.2455,
0.3348


 33.7180, 0.2145,
0.3356


 143.1636, 0.2505,
0.3346

 22.6770, 0.2019,
0.3355


 178.5917, 0.2547,
0.3343

 14.3552, 0.1856,
0.3350

 219.4296, 0.2585,
0.3341

 8.3681, 0.1641,
0.3335

266.0619, 0.2618,
0.3339

 4.3314, 0.1347,
0.3299

318.8728, 0.2647,

 1.8606, 0.0866,

0.3337

378.2468, 0.2672,
0.3335

0.3230

0.5245, 0.0000,
0.2870

0.0000, 0.0000,
0.0000

65.4949, 0.2329,
0.3353

65.4949, 0.2329,
0.3353

64.8696, 0.2294,
0.3363

66.4492, 0.2383,
0.3343


64.5204, 0.2276,
0.3372

67.7625, 0.2457,
0.3334

64.4010, 0.2272,
0.3378

69.4695, 0.2549,
0.3325

71.5989, 0.2659,
0.3316

 74.1768, 0.2784,
0.3308

 77.2272, 0.2922,
0.3300

 80.7722, 0.3069,
0.3293

 84.8327, 0.3222,
0.3286

 86.1088, 0.3263,
0.3280

Harmonies

Analogous

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



65.4949, 0.2727, 0.3902



65.4949, 0.2329, 0.3353



65.4949, 0.2144, 0.2845

Triad

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



65.4949, 0.2329, 0.3353



65.4949, 0.2922, 0.2513



65.4949, 0.4136, 0.3986

Complementary

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



65.4949, 0.2329, 0.3353



21.2432, 0.5613, 0.3258

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.



65.4949, 0.4221, 0.3581



65.4949, 0.2329, 0.3353



65.4949, 0.3484, 0.2773

Square

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



65.4949, 0.2329, 0.3353



65.4949, 0.2461, 0.2418



65.4949, 0.3978, 0.3151



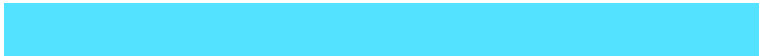
65.4949, 0.3773, 0.4257

Rectangle

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



65.4949, 0.2329, 0.3353



65.4949, 0.2150, 0.2606



65.4949, 0.3978, 0.3151



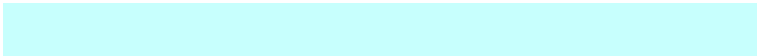
65.4949, 0.4200, 0.3859

Sweetspot

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



65.4974, 0.2329, 0.3353



90.7636, 0.2808, 0.3306



60.3744, 0.3035, 0.5625



19.2266, 0.2771, 0.3308



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.



65.4974, 0.2329, 0.3353



78.5690, 0.2282, 0.3368



29.8329, 0.2014, 0.2128



17.1139, 0.2985, 0.3297



36.1938, 0.2271, 0.3376



2.8445, 0.2268, 0.3363

Inverse Universe

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



21.2432, 0.5613, 0.3258



22.2122, 0.6187, 0.3276



37.1238, 0.4892, 0.4088



15.0612, 0.3288, 0.3284



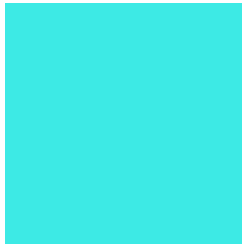
9.8414, 0.6369, 0.3282



0.7753, 0.6284, 0.3236

Previews

White Background



This preview shows how the Yxy color 65.4949, 0.2329, 0.3353 looks on a white background.

Color Contrast Check

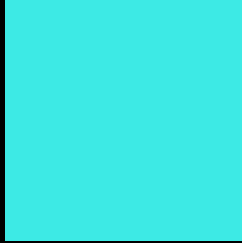
Large Text (above 18pt) WCAG AA × Fail

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 65.4949, 0.2329, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

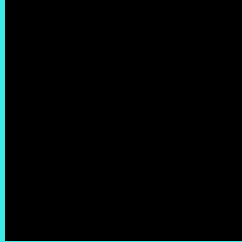
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4949, 0.2329, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 65.4949, 0.2329, 0.3353.

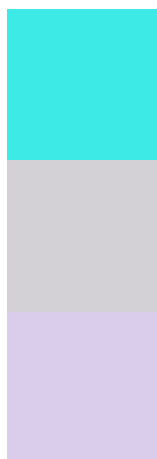


This preview shows how white text looks on a background with the Yxy color 65.4949, 0.2329, 0.3353.

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

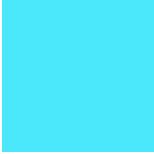
65.4949, 0.2329, 0.3353

Protanopia

64.4530, 0.3115, 0.3233

Deuteranopia

64.0893, 0.3017, 0.2952



Tritanopia

65.5498, 0.2269, 0.3052

Trichromacy



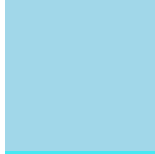
Original Color

65.4949, 0.2329, 0.3353



Protanomaly

62.4254, 0.2717, 0.3276



Deuteranomaly

62.0611, 0.2659, 0.3072



Tritanomaly

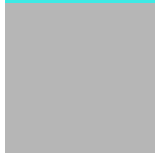
65.4261, 0.2291, 0.3161

Monochromacy



Original Color

65.4949, 0.2329, 0.3353



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.3001, 0.2694, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4949, 0.2329, 0.3353 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(61, 234, 229)` looks like.

```
.text, #text, p{  
    color:rgb(61, 234, 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(61, 234, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 234, 229) }
```

Border

The CSS property to change the border of an element to Yxy 65.4949, 0.2329, 0.3353 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(61, 234, 229) }
```

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

```
.border{ border-color:rgb(61, 234, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 234, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 234, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 234, 229);  
box-shadow:4px 4px 4px 4px rgb(61, 234,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4949, 0.2329, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 234, 229) }
```

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

```
.background{ background-color: rgb(61, 234,  
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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