

Converting Colors

$Yxy(59.9557, 0.2324, 0.3227)$

Have a look what the booklet for
Yxy(59.9557, 0.2324, 0.3227)
contains.

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Color

Yxy(59.7545, 0.2322, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	48DFE4
RGB	72, 223, 228
RGB Percent	28%, 87%, 89%
CMY	0.7174, 0.1255, 0.1060
CMYK	0.68, 0.02, 0.00, 0.11
HSL	182°, 74%, 59%
HSV	182°, 68%, 89%
XYZ	43.0633, 59.7545, 82.6400
YIQ	178.4210, -91.6010, -30.4570

Conversions

Conversions Part 2

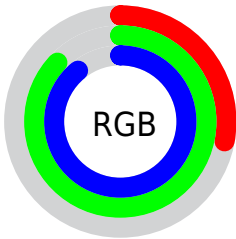
Format	Color
RYB	72, 149, 228
Decimal	4775908
CIELab	81.70, -37.12, -13.98
CIELCh	82, 39.660, 200.637
Yxy	59.7545, 0.2322, 0.3222
Android (android.graphics.Color)	4282965988 (0xFF48DFE4)
YUV	178.4210, 24.4424, -93.3312
Hunter-Lab	77.3010, -35.8370, -9.2743

Details

The Yxy color **59.7545, 0.2322, 0.3222** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.2700, 0.5374, 0.3342**, and the grayscale version is **44.6692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **30.6546, 0.2217, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **58.6489, 0.2271, 0.3211**, and if you desaturate by 10%, it is **61.1910, 0.2393, 0.3233**.

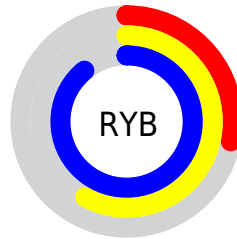
Distribution



Red (28%)

Green (87%)

Blue (89%)



Red (28%)

Yellow (58%)

Blue (89%)

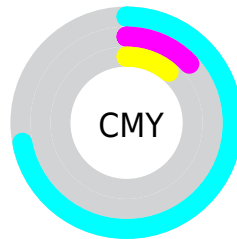


Cyan (68%)

Magenta (2%)

Yellow (0%)

Black (11%)



Cyan (72%)


Magenta (13%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7545, 0.2322, 0.3222 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 59.7545, 0.2322, 0.3222 by changing the saturation by 10% instead.


 59.7545, 0.2322,
0.3222

 59.7545, 0.2322,
0.3222

423.6923, 0.2696,
0.3266

 43.2208, 0.2237,
0.3209


 104.4735, 0.2452,
0.3240

 30.0584, 0.2132,
0.3190


 133.4275, 0.2502,
0.3246

 19.8829, 0.2000,
0.3164


 167.2904, 0.2546,
0.3251

 12.3100, 0.1829,
0.3124

 206.4466, 0.2584,
0.3255

 6.9551, 0.1601,
0.3061

251.2805, 0.2617,
0.3259

 3.4341, 0.1288,
0.2950

302.1765, 0.2647,

 1.3623, 0.0665,

0.3262

0.2785

359.5190, 0.2673,
0.3264

■ 0.1887, 0.0000,
0.1359

■ 0.0000, 0.0000,
0.0000

■ 59.7545, 0.2322,
0.3222

■ 59.7545, 0.2322,
0.3222

■ 58.6489, 0.2271,
0.3211

■ 61.1910, 0.2393,
0.3233

■ 57.8294, 0.2238,
0.3201


■ 62.9839, 0.2482,
0.3244

■ 57.2433, 0.2221,
0.3190

■ 65.1636, 0.2590,
0.3254


■ 57.1579, 0.2219,
0.3189


■ 67.7557, 0.2714,
0.3264

 70.7835, 0.2851,
0.3274

 74.2684, 0.2998,
0.3283

 78.2307, 0.3152,
0.3291

 82.6893, 0.3311,
0.3299

 83.1976, 0.3315,
0.3306

Harmonies

Analogous

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



59.7545, 0.2649, 0.3734



59.7545, 0.2322, 0.3222



59.7545, 0.2202, 0.2787

Triad

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



59.7545, 0.2322, 0.3222



59.7545, 0.3067, 0.2613



59.7545, 0.3999, 0.4020

Complementary

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



59.7545, 0.2322, 0.3222



22.2700, 0.5374, 0.3342

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.



59.7545, 0.4148, 0.3667



59.7545, 0.2322, 0.3222



59.7545, 0.3587, 0.2891

Square

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



59.7545, 0.2322, 0.3222



59.7545, 0.2603, 0.2483



59.7545, 0.3996, 0.3263



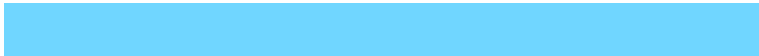
59.7545, 0.3617, 0.4211

Rectangle

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



59.7545, 0.2322, 0.3222



59.7545, 0.2244, 0.2596



59.7545, 0.3996, 0.3263



59.7545, 0.4080, 0.3914

Sweetspot

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



59.7567, 0.2322, 0.3222



90.1362, 0.2812, 0.3271



57.3539, 0.3016, 0.5461



19.0578, 0.2774, 0.3269



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.



59.7567, 0.2322, 0.3222



75.1412, 0.2255, 0.3207



27.9779, 0.2051, 0.2112



16.2534, 0.2982, 0.3282



33.0498, 0.2220, 0.3190



2.4671, 0.2224, 0.3205

Inverse Universe

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



26.4600, 0.3251, 0.1806



30.0045, 0.3272, 0.1658



39.6147, 0.4656, 0.4146



14.6069, 0.3143, 0.3066



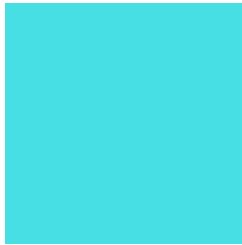
12.5341, 0.3290, 0.1586



0.9287, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 59.7545, 0.2322, 0.3222 looks on a white background.

Color Contrast Check

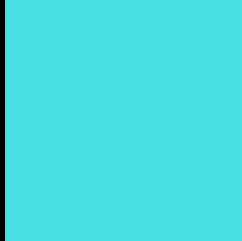
Large Text (above 18pt) WCAG AA × Fail

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 59.7545, 0.2322, 0.3222 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 59.7545, 0.2322, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 59.7545, 0.2322, 0.3222.

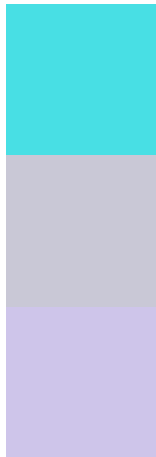


This preview shows how white text looks on a background with the Yxy color 59.7545, 0.2322, 0.3222.

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

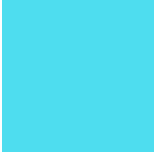
59.7545, 0.2322, 0.3222

Protanopia

58.5811, 0.3035, 0.3126

Deuteranopia

58.9948, 0.2935, 0.2873



Tritanopia

59.5646, 0.2287, 0.3055

Trichromacy



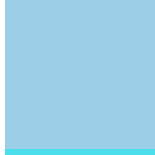
Original Color

59.7545, 0.2322, 0.3222



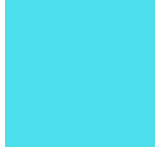
Protanomaly

57.0962, 0.2685, 0.3150



Deuteranomaly

57.1369, 0.2627, 0.2970



Tritanomaly

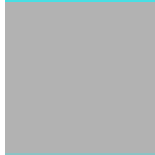
59.7772, 0.2300, 0.3119

Monochromacy



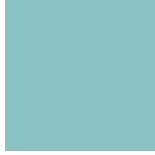
Original Color

59.7545, 0.2322, 0.3222



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.0581, 0.2708, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7545, 0.2322, 0.3222 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(72, 223, 228)` looks like.

```
.text, #text, p{  
  color:rgb(72, 223, 228)  
}
```

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(72, 223, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 223, 228) }
```

Border

The CSS property to change the border of an element to Yxy 59.7545, 0.2322, 0.3222 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(72, 223, 228) }
```

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

```
.border{ border-color:rgb(72, 223, 228) }
```

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

Here you see how a box with a 4 pixel rgb(72, 223, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 223, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 223, 228);  
box-shadow:4px 4px 4px 4px rgb(72, 223,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7545, 0.2322, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 223, 228) }
```

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

```
.background{ background-color: rgb(72, 223,  
228) }
```

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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