

Converting Colors

$Yxy(58.9311, 0.2356, 0.3529)$

Have a look what the booklet for
Yxy(58.9311, 0.2356, 0.3529)
contains.

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Color

Yxy(58.9624, 0.2354, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	2DE1D0
RGB	45, 225, 208
RGB Percent	18%, 88%, 82%
CMY	0.8240, 0.1176, 0.1844
CMYK	0.80, 0.00, 0.08, 0.12
HSL	174°, 75%, 53%
HSV	174°, 80%, 88%
XYZ	39.3863, 58.9624, 68.9679
YIQ	169.2420, -101.8230, -43.4470

Conversions

Conversions Part 2

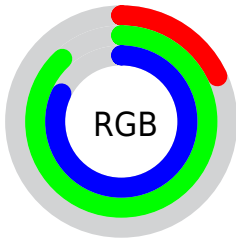
Format	Color
<code>RYB</code>	<code>45, 139, 225</code>
Decimal	<code>3006928</code>
CIELab	<code>81.27, -46.50, -4.05</code>
CIELCh	<code>81, 46.679, 184.981</code>
Yxy	<code>58.9624, 0.2354, 0.3524</code>
Android (<code>android.graphics.Color</code>)	<code>4281197008</code> (<code>0xFF2DE1D0</code>)
YUV	<code>169.2420, 19.1077, -108.9602</code>
Hunter-Lab	<code>76.7870, -42.8192, 0.4982</code>

Details

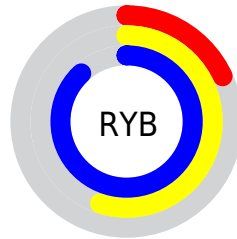
The Yxy color **58.9624, 0.2354, 0.3524** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.2234, 0.5723, 0.3174**, and the grayscale version is **39.7263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **30.7090, 0.2323, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **58.4804, 0.2335, 0.3556**, and if you desaturate by 10%, it is **59.7216, 0.2392, 0.3491**.

Distribution



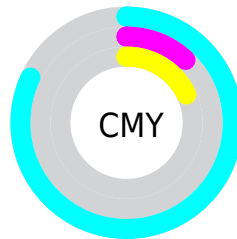
- Red (18%)
- Green (88%)
- Blue (82%)



- Red (18%)
- Yellow (55%)
- Blue (88%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (82%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9624, 0.2354, 0.3524 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 58.9624, 0.2354, 0.3524 by changing the saturation by 10% instead.


 58.9624, 0.2354,
0.3524

 58.9624, 0.2354,
0.3524


420.7626, 0.2719,
0.3418


 42.5829, 0.2269,
0.3547


 103.3230, 0.2482,
0.3488

 29.5580, 0.2165,
0.3576


 132.0729, 0.2531,
0.3473

 19.5033, 0.2031,
0.3611


 165.7150, 0.2573,
0.3461

 12.0345, 0.1857,
0.3654

 204.6337, 0.2610,
0.3450

 6.7672, 0.1620,
0.3709

 249.2134, 0.2642,
0.3441

 3.3169, 0.1287,
0.3775

299.8385, 0.2671,

 1.2993, 0.0160,

0.3432

0.4108

356.8934, 0.2696,
0.3425

■ 0.1407, 0.0000,
0.2437

■ 0.0000, 0.0000,
0.0000

■ 58.9624, 0.2354,
0.3524

■ 58.9624, 0.2354,
0.3524

■ 58.4804, 0.2335,
0.3556


■ 59.7216, 0.2392,
0.3491

■ 58.2035, 0.2330,
0.3588

■ 60.7893, 0.2449,
0.3459


■ 62.1997, 0.2526,
0.3427


■ 63.9806, 0.2620,
0.3396

 66.1573, 0.2730,
0.3367

 68.7524, 0.2853,
0.3339

 71.7873, 0.2986,
0.3314

 75.2816, 0.3126,
0.3290

 79.2538, 0.3271,
0.3269

Harmonies

Analogous

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



58.9624, 0.2833, 0.4101



58.9624, 0.2354, 0.3524



58.9624, 0.2091, 0.2932

Triad

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



58.9624, 0.2354, 0.3524



58.9624, 0.2750, 0.2403



58.9624, 0.4285, 0.3927

Complementary

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



58.9624, 0.2354, 0.3524



18.2234, 0.5723, 0.3174

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.



58.9624, 0.4286, 0.3471



58.9624, 0.2354, 0.3524



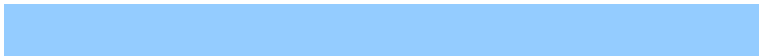
58.9624, 0.3347, 0.2640

Square

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



58.9624, 0.2354, 0.3524



58.9624, 0.2303, 0.2354



58.9624, 0.3931, 0.3017



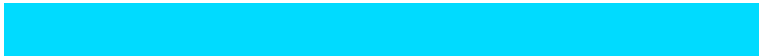
58.9624, 0.3955, 0.4284

Rectangle

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



58.9624, 0.2354, 0.3524



58.9624, 0.2054, 0.2635



58.9624, 0.3931, 0.3017



58.9624, 0.4326, 0.3780

Sweetspot

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



58.9646, 0.2354, 0.3524



89.8159, 0.2801, 0.3350



55.0979, 0.3064, 0.5734



18.9637, 0.2757, 0.3360



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.



58.9646, 0.2354, 0.3524



77.4041, 0.2331, 0.3578



28.7604, 0.2000, 0.2208



15.5488, 0.2994, 0.3312



33.5453, 0.2329, 0.3583



2.3318, 0.2315, 0.3533

Inverse Universe

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



18.2234, 0.5723, 0.3174



21.5931, 0.6245, 0.3239



28.9042, 0.5201, 0.3968



13.7215, 0.3277, 0.3268



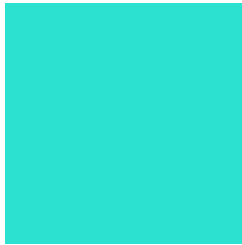
9.2636, 0.6288, 0.3238



0.6494, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 58.9624, 0.2354, 0.3524 looks on a white background.

Color Contrast Check

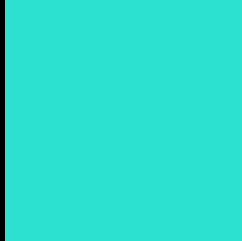
Large Text (above 18pt) WCAG AA × Fail

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 58.9624, 0.2354, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

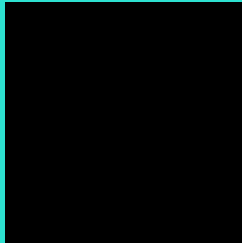
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

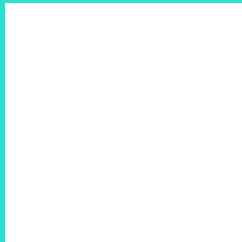
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9624, 0.2354, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 58.9624, 0.2354, 0.3524.

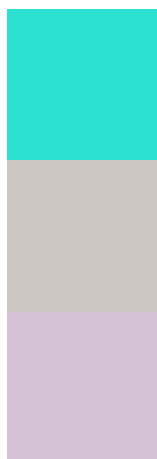


This preview shows how white text looks on a background with the Yxy color 58.9624, 0.2354, 0.3524.

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

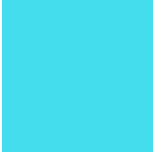
58.9624, 0.2354, 0.3524

Protanopia

57.6762, 0.3219, 0.3362

Deuteranopia

57.6360, 0.3123, 0.3051



Tritanopia

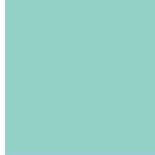
59.1149, 0.2265, 0.3066

Trichromacy



Original Color

58.9624, 0.2354, 0.3524



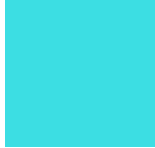
Protanomaly

55.3920, 0.2765, 0.3421



Deuteranomaly

55.0915, 0.2710, 0.3199



Tritanomaly

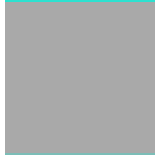
58.7493, 0.2294, 0.3221

Monochromacy



Original Color

58.9624, 0.2354, 0.3524



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.0992, 0.2684, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9624, 0.2354, 0.3524 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(45, 225, 208)` looks like.

```
.text, #text, p{  
  color:rgb(45, 225, 208)  
}
```

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(45, 225, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 225, 208) }
```

Border

The CSS property to change the border of an element to Yxy 58.9624, 0.2354, 0.3524 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(45, 225, 208) }
```

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

```
.border{ border-color:rgb(45, 225, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 225, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 225, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 225, 208);  
box-shadow:4px 4px 4px 4px rgb(45, 225,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9624, 0.2354, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 225, 208) }
```

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

```
.background{ background-color: rgb(45, 225,  
208) }
```

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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