

Converting Colors

$Y_{xy}(59.7862, 0.2289, 0.3170)$

Have a look what the booklet for
Yxy(59.7862, 0.2289, 0.3170)
contains.

Yxy(59.7254, 0.2289, 0.3169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.7254, 0.2289, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	41DFE8
RGB	65, 223, 232
RGB Percent	25%, 87%, 91%
CMY	0.7445, 0.1255, 0.0902
CMYK	0.72, 0.04, 0.00, 0.09
HSL	183°, 78%, 58%
HSV	183°, 72%, 91%
XYZ	43.1402, 59.7254, 85.6020
YIQ	176.7840, -97.0570, -30.6970

Conversions

Conversions Part 2

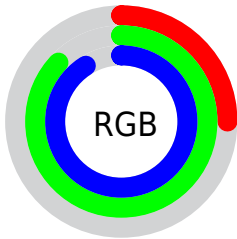
Format	Color
RYB	65, 146, 232
Decimal	4317160
CIELab	81.69, -36.82, -16.16
CIELCh	82, 40.208, 203.697
Yxy	59.7254, 0.2289, 0.3169
Android (android.graphics.Color)	4282507240 (0xFF41DFE8)
YUV	176.7840, 27.2215, -98.0346
Hunter-Lab	77.2822, -35.6021, -11.5753

Details

The Yxy color **59.7254, 0.2289, 0.3169** 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 **22.4586, 0.5512, 0.3373**, and the grayscale version is **43.7619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **30.7720, 0.2203, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **58.4228, 0.2242, 0.3151**, and if you desaturate by 10%, it is **61.3625, 0.2355, 0.3187**.

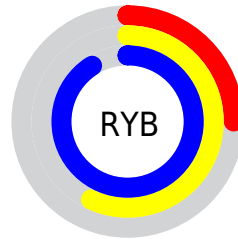
Distribution



Red (25%)

Green (87%)

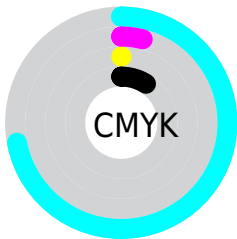
Blue (91%)



Red (25%)

Yellow (57%)

Blue (91%)

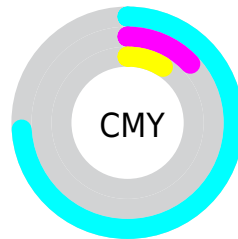


Cyan (72%)

Magenta (4%)

Yellow (0%)

Black (9%)



Cyan (74%)

Magenta (13%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7254, 0.2289, 0.3169 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 59.7254, 0.2289, 0.3169 by changing the saturation by 10% instead.

 59.7254, 0.2289,
0.3169

 59.7254, 0.2289,
0.3169


423.5849, 0.2678,
0.3240

 43.1973, 0.2201,
0.3149


 104.4312, 0.2424,
0.3197


 30.0400, 0.2093,
0.3123


 133.3778, 0.2476,
0.3206

 19.8689, 0.1957,
0.3086


 167.2326, 0.2521,
0.3214

 12.2998, 0.1782,
0.3032

 206.3801, 0.2561,
0.3221

 6.9482, 0.1550,
0.2949

251.2047, 0.2595,
0.3227

 3.4297, 0.1235,
0.2809

302.0908, 0.2626,

 1.3600, 0.0632,

0.3232

0.2594

359.4227, 0.2653,
0.3236

■ 0.1869, 0.0000,
0.1191

■ 0.0000, 0.0000,
0.0000

■ 59.7254, 0.2289,
0.3169

■ 59.7254, 0.2289,
0.3169

■ 58.4228, 0.2242,
0.3151

■ 61.3625, 0.2355,
0.3187


■ 57.4055, 0.2213,
0.3133


■ 63.3630, 0.2441,
0.3206


■ 56.7383, 0.2200,
0.3118

■ 65.7598, 0.2545,
0.3224

■ 68.5806, 0.2666,
0.3241

 71.8505, 0.2800,
0.3258

 75.5925, 0.2944,
0.3273

 79.8282, 0.3097,
0.3287

 84.5776, 0.3255,
0.3300

 86.0870, 0.3283,
0.3313

Harmonies

Analogous

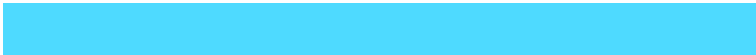
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.7254, 0.2600, 0.3690



59.7254, 0.2289, 0.3169



59.7254, 0.2190, 0.2744

Triad

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



59.7254, 0.2289, 0.3169



59.7254, 0.3119, 0.2627



59.7254, 0.3980, 0.4059

Complementary

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



59.7254, 0.2289, 0.3169



22.4586, 0.5512, 0.3373

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.



59.7254, 0.4160, 0.3711



59.7254, 0.2289, 0.3169



59.7254, 0.3643, 0.2920

Square

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



59.7254, 0.2289, 0.3169



59.7254, 0.2638, 0.2479



59.7254, 0.4038, 0.3304



59.7254, 0.3574, 0.4229

Rectangle

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



59.7254, 0.2289, 0.3169



59.7254, 0.2248, 0.2565



59.7254, 0.4038, 0.3304



59.7254, 0.4071, 0.3956

Sweetspot

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



59.7276, 0.2289, 0.3169



88.9505, 0.2797, 0.3257



59.3331, 0.2995, 0.5507



18.7912, 0.2759, 0.3253



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.



59.7276, 0.2289, 0.3169



71.7842, 0.2227, 0.3142



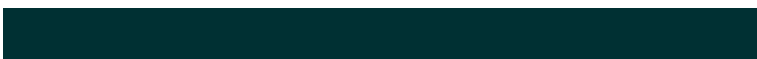
25.7794, 0.1984, 0.1955



16.1959, 0.2982, 0.3277



31.5581, 0.2200, 0.3121



2.3731, 0.2208, 0.3147

Inverse Universe

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



26.2814, 0.3297, 0.1787



28.9842, 0.3327, 0.1661



41.6265, 0.4697, 0.4225



14.6011, 0.3146, 0.3071



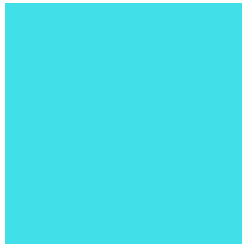
12.3835, 0.3349, 0.1618



0.9192, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 59.7254, 0.2289, 0.3169 looks on a white background.

Color Contrast Check

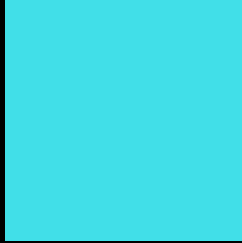
Large Text (above 18pt) WCAG AA × Fail

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 59.7254, 0.2289, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

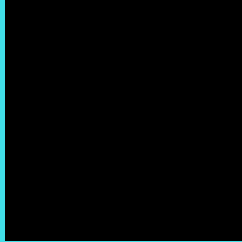
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7254, 0.2289, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 59.7254, 0.2289, 0.3169.

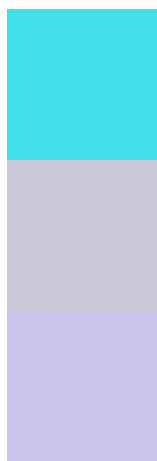


This preview shows how white text looks on a background with the Yxy color 59.7254, 0.2289, 0.3169.

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

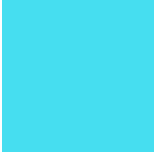
59.7254, 0.2289, 0.3169

Protanopia

58.5977, 0.3007, 0.3091

Deuteranopia

58.8021, 0.2887, 0.2828



Tritanopia

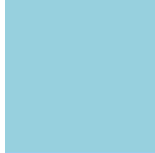
59.8359, 0.2266, 0.3055

Trichromacy



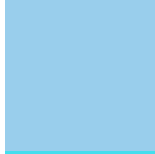
Original Color

59.7254, 0.2289, 0.3169



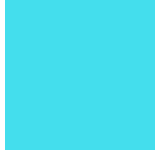
Protanomaly

56.9650, 0.2650, 0.3113



Deuteranomaly

56.9710, 0.2582, 0.2921



Tritanomaly

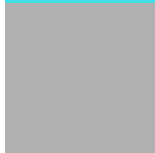
59.5859, 0.2273, 0.3092

Monochromacy



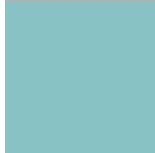
Original Color

59.7254, 0.2289, 0.3169



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.8490, 0.2682, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7254, 0.2289, 0.3169 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, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(65, 223, 232)  
}
```

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, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 223, 232) }
```

Border

The CSS property to change the border of an element to Yxy 59.7254, 0.2289, 0.3169 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, 223, 232) }
```

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

```
.border{ border-color:rgb(65, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 223, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 223, 232);  
box-shadow:4px 4px 4px 4px rgb(65, 223,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7254, 0.2289, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 223, 232) }
```

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

```
.background{ background-color: rgb(65, 223,  
232) }
```

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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