

Converting Colors

$Yxy(59.4871, 0.2219, 0.3188)$

Have a look what the booklet for
Yxy(59.4871, 0.2219, 0.3188)
contains.

Yxy(59.6766, 0.2221, 0.3194)	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(59.6766, 0.2221, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	01E1E8
RGB	1, 225, 232
RGB Percent	0%, 88%, 91%
CMY	0.9964, 0.1177, 0.0902
CMYK	1.00, 0.03, 0.00, 0.09
HSL	182°, 99%, 46%
HSV	182°, 100%, 91%
XYZ	41.4971, 59.6766, 85.6660
YIQ	158.8220, -135.7510, -45.3110

Conversions

Conversions Part 2

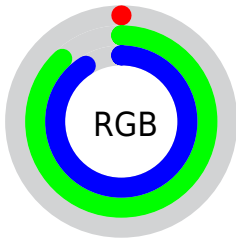
Format	Color
R_{YB}	1, 115, 232
Decimal	123368
CIE _{Lab}	81.66, -41.65, -16.25
CIE _{LCh}	82, 44.704, 201.318
Yxy	59.6766, 0.2221, 0.3194
Android (android.graphics.Color)	4278313448 (0xFF01E1E8)
YUV	158.8220, 36.0768, -138.4099
Hunter-Lab	77.2506, -39.3029, -11.6734

Details

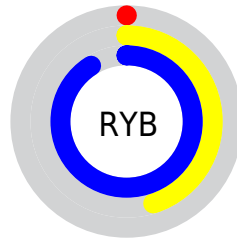
The Yxy color **59.6766, 0.2221, 0.3194** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.3274, 0.6379, 0.3313**, and the grayscale version is **34.4485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **31.5105, 0.2213, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **59.6581, 0.2221, 0.3194**, and if you desaturate by 10%, it is **60.2489, 0.2236, 0.3204**.

Distribution



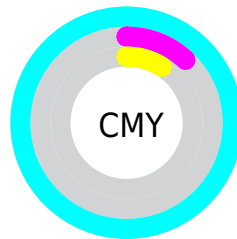
- Red (0%)
- Green (88%)
- Blue (91%)



- Red (0%)
- Yellow (45%)
- Blue (91%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6766, 0.2221, 0.3194 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 59.6766, 0.2221, 0.3194 by changing the saturation by 10% instead.


 59.6766, 0.2221,
0.3194


 59.6766, 0.2221,
0.3194

423.4047, 0.2640,
0.3255


 43.1580, 0.2126,
0.3176


 104.3604, 0.2366,
0.3218


 30.0091, 0.2011,
0.3151


 133.2944, 0.2422,
0.3227

 19.8455, 0.1866,
0.3116

 167.1357, 0.2471,
0.3234

 12.2828, 0.1680,
0.3065

 206.2686, 0.2513,
0.3240

 6.9366, 0.1437,
0.2983

 251.0775, 0.2551,
0.3244

 3.4225, 0.1110,
0.2842

301.9470, 0.2584,

 1.3561, 0.0411,

0.3248

0.2646

359.2612, 0.2613,
0.3252

■ 0.1840, 0.0000,
0.1172

■ 0.0000, 0.0000,
0.0000

■ 59.6766, 0.2221,
0.3194

■ 59.6766, 0.2221,
0.3194

■ 59.6581, 0.2221,
0.3194

■ 60.2489, 0.2236,
0.3204

■ 61.0470, 0.2267,
0.3214

■ 62.1399, 0.2315,
0.3224

■ 63.5681, 0.2383,
0.3234

■ 65.3659, 0.2470,
0.3245

■ 67.5633, 0.2576,
0.3255

■ 70.1871, 0.2698,
0.3264

■ 73.2620, 0.2833,
0.3274

■ 76.8106, 0.2979,
0.3282

Harmonies

Analogous

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



59.6766, 0.2577, 0.3781



59.6766, 0.2221, 0.3194



59.6766, 0.2097, 0.2711

Triad

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



59.6766, 0.2221, 0.3194



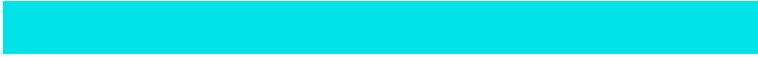
59.6766, 0.3069, 0.2543



59.6766, 0.4096, 0.4109

Complementary

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



59.6766, 0.2221, 0.3194



17.3274, 0.6379, 0.3313

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.



59.6766, 0.4277, 0.3711



59.6766, 0.2221, 0.3194



59.6766, 0.3656, 0.2851

Square

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



59.6766, 0.2221, 0.3194



59.6766, 0.2549, 0.2394



59.6766, 0.4116, 0.3263



59.6766, 0.3658, 0.4331

Rectangle

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



59.6766, 0.2221, 0.3194



59.6766, 0.2147, 0.2506



59.6766, 0.4116, 0.3263



59.6766, 0.4191, 0.3988

Sweetspot

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



59.6788, 0.2221, 0.3194



86.7958, 0.2691, 0.3264



57.7231, 0.2998, 0.5990



18.2714, 0.2637, 0.3260



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.



59.6788, 0.2221, 0.3194



73.9140, 0.2220, 0.3193



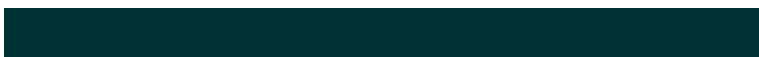
17.5519, 0.1752, 0.1505



16.2576, 0.2982, 0.3282



33.1589, 0.2221, 0.3195



2.4740, 0.2225, 0.3210

Inverse Universe

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



22.6096, 0.3287, 0.1585



27.9928, 0.3288, 0.1585



30.6610, 0.5371, 0.4114



14.6073, 0.3143, 0.3065



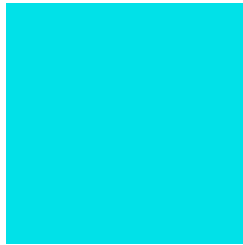
12.5451, 0.3286, 0.1584



0.9294, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 59.6766, 0.2221, 0.3194 looks on a white background.

Color Contrast Check

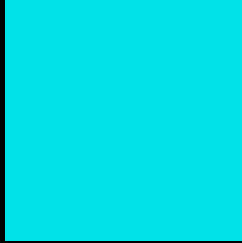
Large Text (above 18pt) WCAG AA × Fail

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 59.6766, 0.2221, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

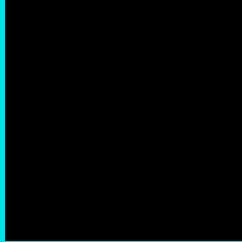
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6766, 0.2221, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 59.6766, 0.2221, 0.3194.

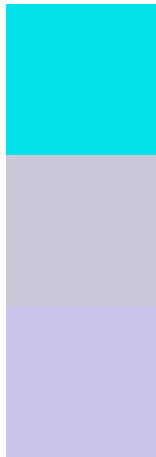


This preview shows how white text looks on a background with the Yxy color 59.6766, 0.2221, 0.3194.

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

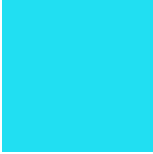
59.6831, 0.2221, 0.3194

Protanopia

58.5458, 0.3014, 0.3103

Deuteranopia

58.8021, 0.2887, 0.2828



Tritanopia

59.5095, 0.2199, 0.3040

Trichromacy



Original Color

59.6831, 0.2221, 0.3194



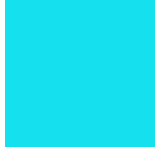
Protanomaly

55.4640, 0.2525, 0.3119



Deuteranomaly

55.4276, 0.2460, 0.2922



Tritanomaly

59.6438, 0.2206, 0.3103

Monochromacy



Original Color

59.6831, 0.2221, 0.3194



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.2369, 0.2521, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6766, 0.2221, 0.3194 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(1, 225, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 225, 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(1, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 225, 232) }
```

Border

The CSS property to change the border of an element to Yxy 59.6766, 0.2221, 0.3194 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(1, 225, 232) }
```

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

```
.border{ border-color:rgb(1, 225, 232) }
```

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

Here you see how a box with a 4 pixel rgb(1, 225, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 225,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6766, 0.2221, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 225, 232) }
```

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

```
.background{ background-color: rgb(1, 225,  
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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