

Converting Colors

$Y_{xy}(58.8078, 0.2172, 0.3281)$

Have a look what the booklet for
Yxy(58.8078, 0.2172, 0.3281)
contains.

Yxy(59.8837, 0.2247, 0.3287)	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(59.8837, 0.2247, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	01E2E2
RGB	1, 226, 226
RGB Percent	0%, 89%, 89%
CMY	0.9950, 0.1138, 0.1137
CMYK	0.99, 0.00, 0.00, 0.11
HSL	180°, 99%, 45%
HSV	180°, 99%, 89%
XYZ	40.9366, 59.8837, 81.3631
YIQ	158.7250, -134.1000, -47.7000

Conversions

Conversions Part 2

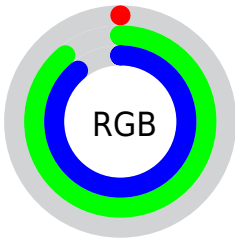
Format	Color
RYB	1, 114, 226
Decimal	123618
CIELab	81.77, -43.85, -12.91
CIELCh	82, 45.709, 196.409
Yxy	59.8837, 0.2247, 0.3287
Android (android.graphics.Color)	4278313698 (0xFF01E2E2)
YUV	158.7250, 33.1666, -138.3248
Hunter-Lab	77.3846, -40.9960, -8.1691

Details

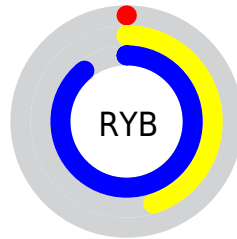
The Yxy color **59.8837, 0.2247, 0.3287** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.2022, 0.6393, 0.3300**, and the grayscale version is **34.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **31.6897, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **59.8777, 0.2246, 0.3287**, and if you desaturate by 10%, it is **60.0719, 0.2260, 0.3287**.

Distribution



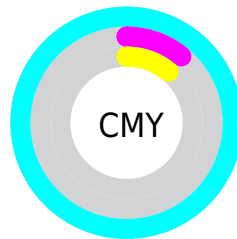
- Red (0%)
- Green (89%)
- Blue (89%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8837, 0.2247, 0.3287 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 59.8837, 0.2247, 0.3287 by changing the saturation by 10% instead.


 59.8837, 0.2247,
0.3287


 59.8837, 0.2247,
0.3287


424.1690, 0.2655,
0.3302

 43.3249, 0.2154,
0.3280


 104.6609, 0.2388,
0.3295

 30.1401, 0.2041,
0.3269


 133.6482, 0.2443,
0.3297


 19.9450, 0.1898,
0.3252


 167.5470, 0.2491,
0.3299

 12.3550, 0.1714,
0.3225

 206.7418, 0.2532,
0.3300

 6.9860, 0.1472,
0.3176

 251.6170, 0.2569,
0.3301

 3.4533, 0.1143,
0.3082

302.5570, 0.2601,

 1.3727, 0.0367,

0.3301

0.2984

359.9462, 0.2630,
0.3302

■ 0.1965, 0.0000,
0.1487

■ 0.0000, 0.0000,
0.0000

■ 59.8837, 0.2247,
0.3287

■ 59.8837, 0.2247,
0.3287

■ 59.8777, 0.2246,
0.3287

■ 60.0719, 0.2260,
0.3287

■ 60.4726, 0.2287,
0.3287

■ 61.1502, 0.2332,
0.3287

■ 62.1424, 0.2397,
0.3288

■ 63.4812, 0.2481,
0.3288

■ 65.1948, 0.2584,
0.3288

■ 67.3083, 0.2703,
0.3289

■ 69.8446, 0.2837,
0.3289

■ 72.8252, 0.2982,
0.3290

Harmonies

Analogous

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



59.8837, 0.2643, 0.3885



59.8837, 0.2247, 0.3287



59.8837, 0.2081, 0.2764

Triad

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



59.8837, 0.2247, 0.3287



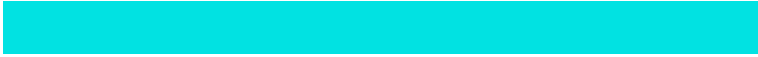
59.8837, 0.2971, 0.2492



59.8837, 0.4167, 0.4065

Complementary

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



59.8837, 0.2247, 0.3287



16.2022, 0.6393, 0.3300

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.



59.8837, 0.4299, 0.3643



59.8837, 0.2247, 0.3287



59.8837, 0.3572, 0.2782

Square

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



59.8837, 0.2247, 0.3287



59.8837, 0.2466, 0.2370



59.8837, 0.4078, 0.3188



59.8837, 0.3753, 0.4335

Rectangle

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



59.8837, 0.2247, 0.3287



59.8837, 0.2106, 0.2531



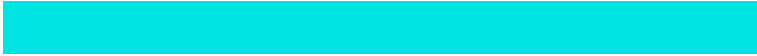
59.8837, 0.4078, 0.3188



59.8837, 0.4248, 0.3934

Sweetspot

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



59.8859, 0.2247, 0.3287



88.2580, 0.2693, 0.3289



54.4124, 0.3000, 0.5997



18.6280, 0.2641, 0.3288



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.



59.8859, 0.2247, 0.3287



78.7192, 0.2246, 0.3287



17.4535, 0.1769, 0.1566



15.5721, 0.2982, 0.3290



34.1549, 0.2246, 0.3287



2.3675, 0.2246, 0.3287

Inverse Universe

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



21.6891, 0.3209, 0.1543



28.4779, 0.3210, 0.1542



28.1276, 0.5415, 0.4078



13.9356, 0.3138, 0.3059



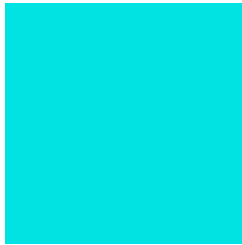
12.3560, 0.3210, 0.1542



0.8565, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 59.8837, 0.2247, 0.3287 looks on a white background.

Color Contrast Check

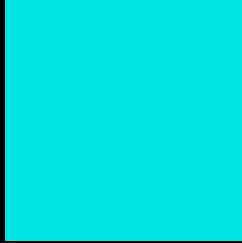
Large Text (above 18pt) WCAG AA × Fail

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 59.8837, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

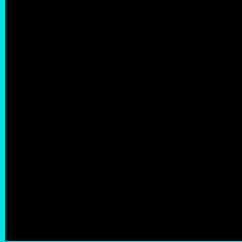
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8837, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 59.8837, 0.2247, 0.3287.

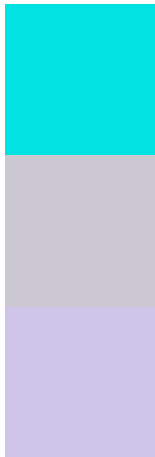


This preview shows how white text looks on a background with the Yxy color 59.8837, 0.2247, 0.3287.

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

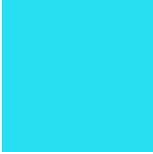
59.8902, 0.2247, 0.3287

Protanopia

58.6582, 0.3079, 0.3173

Deuteranopia

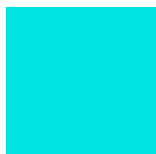
58.9375, 0.2942, 0.2884



Tritanopia

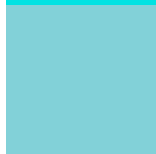
60.1935, 0.2212, 0.3054

Trichromacy



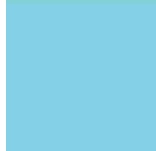
Original Color

59.8902, 0.2247, 0.3287



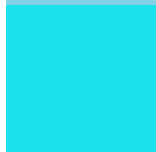
Protanomaly

55.3046, 0.2566, 0.3197



Deuteranomaly

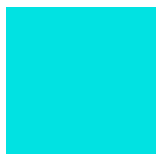
55.7305, 0.2502, 0.3008



Tritanomaly

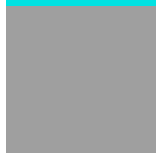
60.1396, 0.2222, 0.3142

Monochromacy



Original Color

59.8902, 0.2247, 0.3287



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.1107, 0.2538, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8837, 0.2247, 0.3287 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, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 226)  
}
```

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, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 226) }
```

Border

The CSS property to change the border of an element to Yxy 59.8837, 0.2247, 0.3287 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, 226, 226) }
```

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

```
.border{ border-color:rgb(1, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8837, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 226, 226) }
```

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

```
.background{ background-color: rgb(1, 226,  
226) }
```

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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