

Converting Colors

$Y_{xy}(59.7581, 0.2297, 0.3468)$

Have a look what the booklet for
Yxy(59.7581, 0.2297, 0.3468)
contains.

Yxy(59.7997, 0.2297, 0.3467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.7997, 0.2297, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	01E3D6
RGB	1, 227, 214
RGB Percent	0%, 89%, 84%
CMY	0.9953, 0.1098, 0.1608
CMYK	0.99, 0.00, 0.06, 0.11
HSL	177°, 99%, 45%
HSV	177°, 99%, 89%
XYZ	39.6192, 59.7997, 73.0636
YIQ	157.9440, -130.5230, -51.9550

Conversions

Conversions Part 2

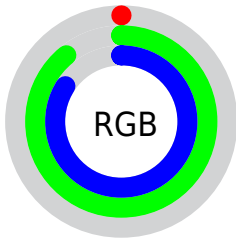
Format	Color
RYB	1, 117, 227
Decimal	123862
CIELab	81.73, -47.74, -6.60
CIELCh	82, 48.199, 187.868
Yxy	59.7997, 0.2297, 0.3467
Android (android.graphics.Color)	4278313942 (0xFF01E3D6)
YUV	157.9440, 27.6356, -137.6399
Hunter-Lab	77.3303, -43.8756, -1.8875

Details

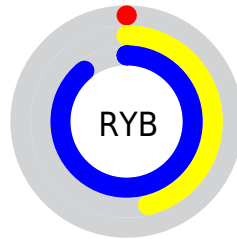
The Yxy color **59.7997, 0.2297, 0.3467** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3898, 0.6345, 0.3273**, and the grayscale version is **34.1110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **31.6290, 0.2307, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **59.7906, 0.2297, 0.3468**, and if you desaturate by 10%, it is **60.0543, 0.2305, 0.3448**.

Distribution



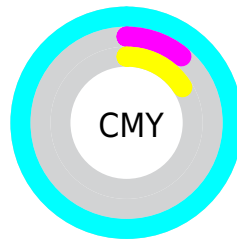
- Red (0%)
- Green (89%)
- Blue (84%)



- Red (0%)
- Yellow (46%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7997, 0.2297, 0.3467 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 59.7997, 0.2297, 0.3467 by changing the saturation by 10% instead.


 59.7997, 0.2297,
0.3467

 59.7997, 0.2297,
0.3467


423.8591, 0.2686,
0.3391


 43.2572, 0.2208,
0.3482


 104.5391, 0.2432,
0.3442


 30.0870, 0.2098,
0.3500


 133.5047, 0.2485,
0.3432

 19.9046, 0.1958,
0.3521


 167.3802, 0.2530,
0.3423

 12.3257, 0.1778,
0.3544

 206.5499, 0.2569,
0.3415

 6.9659, 0.1536,
0.3568

 251.3983, 0.2604,
0.3408

 3.4408, 0.1201,
0.3584

302.3097, 0.2634,

 1.3660, 0.0189,

0.3402

0.3767

359.6685, 0.2661,
0.3396

■ 0.1914, 0.0000,
0.2223

■ 0.0000, 0.0000,
0.0000

■ 59.7997, 0.2297,
0.3467

■ 59.7997, 0.2297,
0.3467

■ 59.7906, 0.2297,
0.3468

■ 60.0543, 0.2305,
0.3448

■ 60.5239, 0.2328,
0.3429

■ 61.2735, 0.2370,
0.3409

■ 62.3414, 0.2431,
0.3390

■ 63.7600, 0.2511,
0.3371

■ 65.5576, 0.2609,
0.3353

■ 67.7598, 0.2723,
0.3335

■ 70.3897, 0.2851,
0.3319

■ 73.4689, 0.2989,
0.3303

Harmonies

Analogous

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



59.7997, 0.2769, 0.4077



59.7997, 0.2297, 0.3467



59.7997, 0.2053, 0.2870

Triad

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



59.7997, 0.2297, 0.3467



59.7997, 0.2794, 0.2398



59.7997, 0.4296, 0.3982

Complementary

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



59.7997, 0.2297, 0.3467



16.3898, 0.6345, 0.3273

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.



59.7997, 0.4335, 0.3519



59.7997, 0.2297, 0.3467



59.7997, 0.3414, 0.2655

Square

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



59.7997, 0.2297, 0.3467



59.7997, 0.2317, 0.2327



59.7997, 0.4002, 0.3051



59.7997, 0.3929, 0.4334

Rectangle

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



59.7997, 0.2297, 0.3467



59.7997, 0.2032, 0.2581



59.7997, 0.4002, 0.3051



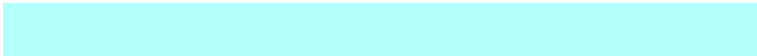
59.7997, 0.4350, 0.3834

Sweetspot

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



59.8019, 0.2297, 0.3467



87.9835, 0.2715, 0.3336



55.0548, 0.3012, 0.5987



18.5611, 0.2665, 0.3344



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.



59.8019, 0.2297, 0.3467



77.8292, 0.2297, 0.3469



21.2956, 0.1833, 0.1794



16.3213, 0.2989, 0.3303



34.8752, 0.2296, 0.3465



2.5816, 0.2288, 0.3437

Inverse Universe

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



16.3898, 0.6345, 0.3273



21.2936, 0.6358, 0.3276



25.2670, 0.5612, 0.3922



14.3814, 0.3283, 0.3277



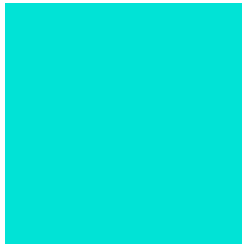
9.5468, 0.6338, 0.3265



0.7102, 0.6166, 0.3170

Previews

White Background



This preview shows how the Yxy color 59.7997, 0.2297, 0.3467 looks on a white background.

Color Contrast Check

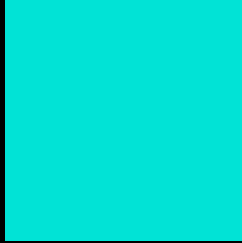
Large Text (above 18pt) WCAG AA × Fail

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 59.7997, 0.2297, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

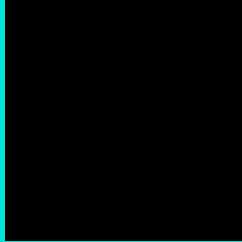
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7997, 0.2297, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 59.7997, 0.2297, 0.3467.

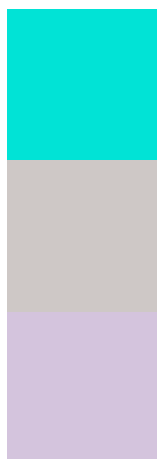


This preview shows how white text looks on a background with the Yxy color 59.7997, 0.2297, 0.3467.

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

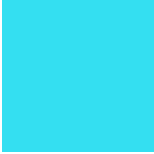
59.7997, 0.2297, 0.3467

Protanopia

58.5076, 0.3189, 0.3314

Deuteranopia

58.6974, 0.3071, 0.3007



Tritanopia

59.8563, 0.2229, 0.3054

Trichromacy



Original Color

59.7997, 0.2297, 0.3467



Protanomaly

55.3584, 0.2645, 0.3369



Deuteranomaly

54.8385, 0.2579, 0.3145



Tritanomaly

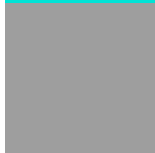
59.4209, 0.2244, 0.3194

Monochromacy



Original Color

59.7997, 0.2297, 0.3467



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.8480, 0.2562, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7997, 0.2297, 0.3467 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, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 227, 214)  
}
```

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, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 227, 214) }
```

Border

The CSS property to change the border of an element to Yxy 59.7997, 0.2297, 0.3467 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, 227, 214) }
```

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

```
.border{ border-color:rgb(1, 227, 214) }
```

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

Here you see how a box with a 4 pixel rgb(1, 227, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 227,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7997, 0.2297, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 227, 214) }
```

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

```
.background{ background-color: rgb(1, 227,  
214) }
```

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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