

Converting Colors

$Yxy(60.1605, 0.2315, 0.3533)$

Have a look what the booklet for
Yxy(60.1605, 0.2315, 0.3533)
contains.

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Color

Yxy(60.1399, 0.2316, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	00E4D2
RGB	0, 228, 210
RGB Percent	0%, 89%, 82%
CMY	0.9990, 0.1059, 0.1764
CMYK	1.00, 0.00, 0.08, 0.11
HSL	175°, 100%, 45%
HSV	175°, 100%, 89%
XYZ	39.3791, 60.1399, 70.5118
YIQ	157.7760, -130.1100, -53.9340

Conversions

Conversions Part 2

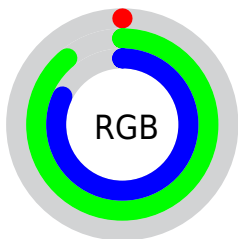
Format	Color
RYB	0, 119, 228
Decimal	58578
CIELab	81.91, -49.30, -4.22
CIELCh	82, 49.478, 184.888
Yxy	60.1399, 0.2316, 0.3537
Android (android.graphics.Color)	4278248658 (0xFF00E4D2)
YUV	157.7760, 25.7464, -138.3696
Hunter-Lab	77.5499, -45.0717, 0.3759

Details

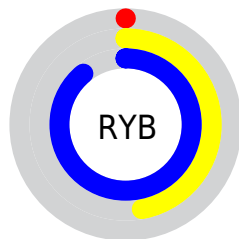
The Yxy color **60.1399, 0.2316, 0.3537** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.5440, 0.6329, 0.3261**, and the grayscale version is **34.0477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **31.9053, 0.2327, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **60.1395, 0.2316, 0.3537**, and if you desaturate by 10%, it is **60.4136, 0.2322, 0.3511**.

Distribution



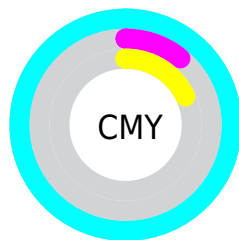
- Red (0%)
- Green (89%)
- Blue (82%)



- Red (0%)
- Yellow (47%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1399, 0.2316, 0.3537 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 60.1399, 0.2316, 0.3537 by changing the saturation by 10% instead.


 60.1399, 0.2316,
0.3537


 60.1399, 0.2316,
0.3537


425.1132, 0.2697,
0.3426

 43.5314, 0.2228,
0.3561

 105.0326, 0.2449,
0.3499

 30.3023, 0.2120,
0.3591


 134.0856, 0.2500,
0.3484


 20.0681, 0.1982,
0.3627


 168.0555, 0.2545,
0.3471

 12.4446, 0.1803,
0.3671

 207.3268, 0.2583,
0.3460

 7.0472, 0.1563,
0.3726

 252.2838, 0.2617,
0.3450

 3.4917, 0.1227,
0.3792

303.3110, 0.2647,

 1.3935, 0.0148,

0.3441

0.4104

360.7926, 0.2673,
0.3433

■ 0.2119, 0.0000,
0.2874

■ 0.0000, 0.0000,
0.0000

■ 60.1399, 0.2316,
0.3537

■ 60.1399, 0.2316,
0.3537

■ 60.1395, 0.2316,
0.3537

■ 60.4136, 0.2322,
0.3511

■ 60.8996, 0.2343,
0.3484

■ 61.6671, 0.2382,
0.3457

■ 62.7552, 0.2441,
0.3430

■ 64.1968, 0.2519,
0.3404

■ 66.0207, 0.2614,
0.3378

■ 68.2528, 0.2726,
0.3354

■ 70.9166, 0.2851,
0.3331

■ 74.0341, 0.2986,
0.3309

Harmonies

Analogous

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



60.1399, 0.2817, 0.4150



60.1399, 0.2316, 0.3537



60.1399, 0.2043, 0.2911

Triad

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



60.1399, 0.2316, 0.3537



60.1399, 0.2728, 0.2362



60.1399, 0.4344, 0.3951

Complementary

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



60.1399, 0.2316, 0.3537



16.5440, 0.6329, 0.3261

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.



60.1399, 0.4347, 0.3472



60.1399, 0.2316, 0.3537



60.1399, 0.3355, 0.2608

Square

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



60.1399, 0.2316, 0.3537



60.1399, 0.2263, 0.2311



60.1399, 0.3972, 0.3000



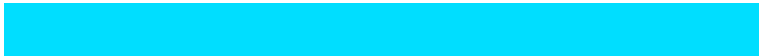
60.1399, 0.3995, 0.4332

Rectangle

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



60.1399, 0.2316, 0.3537



60.1399, 0.2005, 0.2600



60.1399, 0.3972, 0.3000



60.1399, 0.4388, 0.3796

Sweetspot

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



60.1422, 0.2316, 0.3537



87.8811, 0.2722, 0.3354



55.6282, 0.3015, 0.5987



18.5362, 0.2673, 0.3364



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.



60.1422, 0.2316, 0.3537



77.5100, 0.2316, 0.3539



22.4075, 0.1847, 0.1846



16.3157, 0.2992, 0.3308



34.7350, 0.2315, 0.3533



2.5727, 0.2304, 0.3494

Inverse Universe

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



16.5440, 0.6329, 0.3261



21.3110, 0.6337, 0.3265



24.7060, 0.5669, 0.3880



14.3864, 0.3280, 0.3272



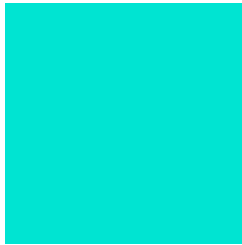
9.5562, 0.6312, 0.3251



0.7126, 0.6085, 0.3126

Previews

White Background



This preview shows how the Yxy color 60.1399, 0.2316, 0.3537 looks on a white background.

Color Contrast Check

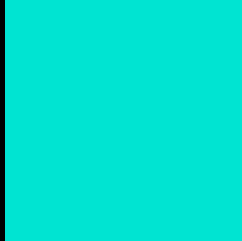
Large Text (above 18pt) WCAG AA × Fail

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 60.1399, 0.2316, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

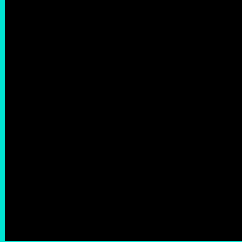
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

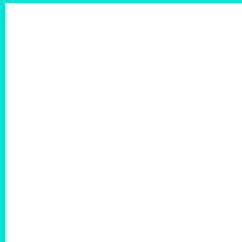
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.1399, 0.2316, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 60.1399, 0.2316, 0.3537.

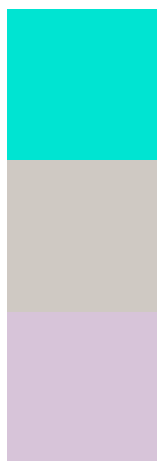


This preview shows how white text looks on a background with the Yxy color 60.1399, 0.2316, 0.3537.

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

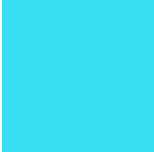
60.1399, 0.2316, 0.3537

Protanopia

58.9788, 0.3218, 0.3361

Deuteranopia

58.9367, 0.3123, 0.3053



Tritanopia

59.9984, 0.2230, 0.3042

Trichromacy



Original Color

60.1399, 0.2316, 0.3537



Protanomaly

55.6642, 0.2669, 0.3436



Deuteranomaly

55.2852, 0.2614, 0.3210



Tritanomaly

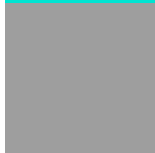
59.9209, 0.2252, 0.3221

Monochromacy



Original Color

60.1399, 0.2316, 0.3537



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.8080, 0.2568, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1399, 0.2316, 0.3537 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(0, 228, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 210)  
}
```

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(0, 228, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 210) }
```

Border

The CSS property to change the border of an element to Yxy 60.1399, 0.2316, 0.3537 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(0, 228, 210) }
```

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

```
.border{ border-color:rgb(0, 228, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1399, 0.2316, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 210) }
```

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

```
.background{ background-color: rgb(0, 228,  
210) }
```

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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