

Converting Colors

$Yxy(60.4985, 0.2290, 0.3441)$

Have a look what the booklet for
Yxy(60.4985, 0.2290, 0.3441)
contains.

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Color

Yxy(60.5095, 0.2289, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	01E4D9
RGB	1, 228, 217
RGB Percent	0%, 89%, 85%
CMY	0.9947, 0.1058, 0.1490
CMYK	0.99, 0.00, 0.05, 0.11
HSL	177°, 99%, 45%
HSV	177°, 99%, 89%
XYZ	40.2869, 60.5095, 75.2057
YIQ	158.8730, -131.7610, -51.5450

Conversions

Conversions Part 2

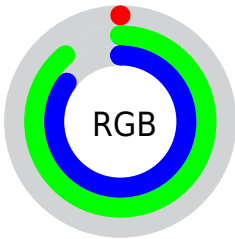
Format	Color
RYB	1, 117, 228
Decimal	124121
CIELab	82.11, -47.32, -7.63
CIELCh	82, 47.930, 189.158
Yxy	60.5095, 0.2289, 0.3438
Android (android.graphics.Color)	4278314201 (0xFF01E4D9)
YUV	158.8730, 28.6566, -138.4546
Hunter-Lab	77.7879, -43.6824, -2.8704

Details

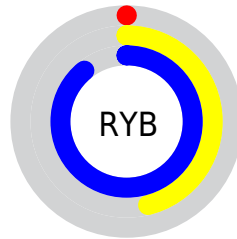
The Yxy color **60.5095, 0.2289, 0.3438** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5524, 0.6353, 0.3278**, and the grayscale version is **34.5749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **32.1137, 0.2296, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **60.4997, 0.2289, 0.3439**, and if you desaturate by 10%, it is **60.7569, 0.2298, 0.3422**.

Distribution



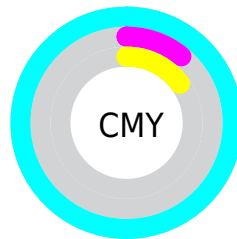
- Red (0%)
- Green (89%)
- Blue (85%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (99%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5095, 0.2289, 0.3438 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 60.5095, 0.2289, 0.3438 by changing the saturation by 10% instead.

 60.5095, 0.2289,
0.3438


 60.5095, 0.2289,
0.3438


426.4732, 0.2680,
0.3377


 43.8294, 0.2200,
0.3450


 105.5684, 0.2425,
0.3419


 30.5364, 0.2089,
0.3463


 134.7160, 0.2478,
0.3411

 20.2461, 0.1951,
0.3477


 168.7883, 0.2523,
0.3403

 12.5741, 0.1771,
0.3491

 208.1696, 0.2563,
0.3397

 7.1359, 0.1531,
0.3503

 253.2444, 0.2597,
0.3391

 3.5472, 0.1201,
0.3500

304.3970, 0.2628,

 1.4237, 0.0303,

0.3386

0.3607

362.0118, 0.2656,
0.3381

■ 0.2341, 0.0000,
0.2290

■ 0.0000, 0.0000,
0.0000

■ 60.5095, 0.2289,
0.3438

■ 60.5095, 0.2289,
0.3438

■ 60.4997, 0.2289,
0.3439

■ 60.7569, 0.2298,
0.3422

■ 61.2222, 0.2322,
0.3406

■ 61.9705, 0.2364,
0.3390

■ 63.0404, 0.2426,
0.3374

■ 64.4647, 0.2507,
0.3358

■ 66.2721, 0.2606,
0.3342

■ 68.4882, 0.2721,
0.3328

■ 71.1366, 0.2849,
0.3314

■ 74.2389, 0.2989,
0.3301

Harmonies

Analogous

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



60.5095, 0.2749, 0.4047



60.5095, 0.2289, 0.3438



60.5095, 0.2058, 0.2853

Triad

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



60.5095, 0.2289, 0.3438



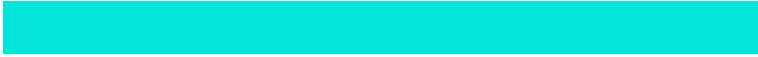
60.5095, 0.2821, 0.2412



60.5095, 0.4276, 0.3995

Complementary

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



60.5095, 0.2289, 0.3438



16.5524, 0.6353, 0.3278

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.



60.5095, 0.4330, 0.3538



60.5095, 0.2289, 0.3438



60.5095, 0.3439, 0.2675

Square

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



60.5095, 0.2289, 0.3438



60.5095, 0.2340, 0.2334



60.5095, 0.4014, 0.3073



60.5095, 0.3901, 0.4335

Rectangle

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



60.5095, 0.2289, 0.3438



60.5095, 0.2043, 0.2573



60.5095, 0.4014, 0.3073



60.5095, 0.4334, 0.3849

Sweetspot

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



60.5118, 0.2289, 0.3438



88.0273, 0.2711, 0.3329



55.5791, 0.3008, 0.5990



18.5718, 0.2661, 0.3335



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.



60.5118, 0.2289, 0.3438



77.9682, 0.2289, 0.3440



20.5355, 0.1817, 0.1736



16.3237, 0.2988, 0.3301



34.9361, 0.2288, 0.3437



2.5854, 0.2281, 0.3413

Inverse Universe

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



16.5524, 0.6353, 0.3278



21.2875, 0.6366, 0.3281



26.2681, 0.5562, 0.3961



14.3793, 0.3285, 0.3279



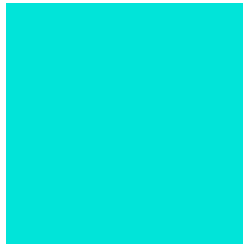
9.5432, 0.6348, 0.3270



0.7092, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 60.5095, 0.2289, 0.3438 looks on a white background.

Color Contrast Check

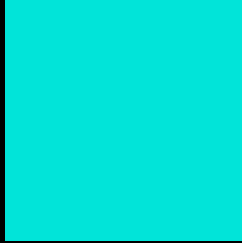
Large Text (above 18pt) WCAG AA × Fail

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 60.5095, 0.2289, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

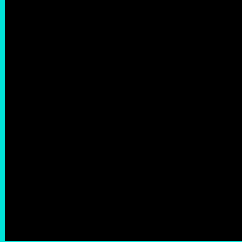
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

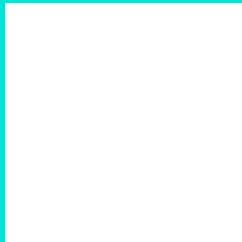
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.5095, 0.2289, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 60.5095, 0.2289, 0.3438.

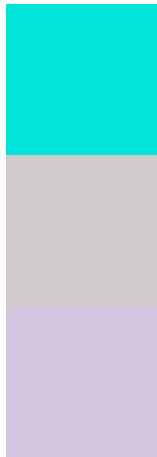


This preview shows how white text looks on a background with the Yxy color 60.5095, 0.2289, 0.3438.

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

60.5030, 0.2289, 0.3438

Protanopia

59.5799, 0.3165, 0.3302

Deuteranopia

59.3114, 0.3049, 0.2986



Tritanopia

60.4002, 0.2225, 0.3054

Trichromacy



Original Color

60.5030, 0.2289, 0.3438



Protanomaly

55.9991, 0.2630, 0.3341



Deuteranomaly

55.4831, 0.2565, 0.3121



Tritanomaly

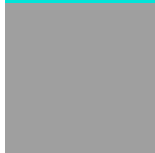
60.0407, 0.2238, 0.3181

Monochromacy



Original Color

60.5030, 0.2289, 0.3438



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.4010, 0.2558, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5095, 0.2289, 0.3438 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, 228, 217)` looks like.

```
.text, #text, p{  
    color:rgb(1, 228, 217)  
}
```

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, 228, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 228, 217) }
```

Border

The CSS property to change the border of an element to Yxy 60.5095, 0.2289, 0.3438 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, 228, 217) }
```

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

```
.border{ border-color:rgb(1, 228, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 228, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 228, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 228, 217);  
box-shadow:4px 4px 4px 4px rgb(1, 228,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5095, 0.2289, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 228, 217) }
```

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

```
.background{ background-color: rgb(1, 228,  
217) }
```

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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