

Converting Colors

$Yxy(60.9067, 0.2326, 0.3575)$

Have a look what the booklet for
Yxy(60.9067, 0.2326, 0.3575)
contains.

Yxy(61.1971, 0.2327, 0.3578)	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(61.1971, 0.2327, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	00E6D1
RGB	0, 230, 209
RGB Percent	0%, 90%, 82%
CMY	1.0000, 0.0980, 0.1804
CMYK	1.00, 0.00, 0.09, 0.10
HSL	175°, 100%, 45%
HSV	175°, 100%, 90%
XYZ	39.8003, 61.1971, 70.0397
YIQ	158.8360, -130.3390, -55.2910

Conversions

Conversions Part 2

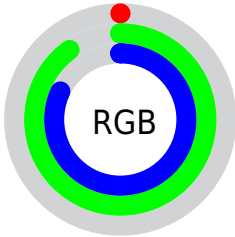
Format	Color
RYB	0, 121, 230
Decimal	59089
CIELab	82.48, -50.43, -2.85
CIELCh	82, 50.513, 183.229
Yxy	61.1971, 0.2327, 0.3578
Android (android.graphics.Color)	4278249169 (0xFF00E6D1)
YUV	158.8360, 24.7309, -139.2992
Hunter-Lab	78.2286, -46.0846, 1.6764

Details

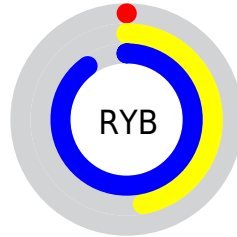
The Yxy color **61.1971, 0.2327, 0.3578** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.8788, 0.6316, 0.3253**, and the grayscale version is **34.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **32.2537, 0.2337, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **61.2030, 0.2327, 0.3578**, and if you desaturate by 10%, it is **61.4899, 0.2332, 0.3547**.

Distribution



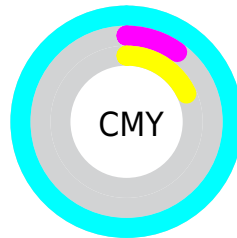
- Red (0%)
- Green (90%)
- Blue (82%)



- Red (0%)
- Yellow (47%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1971, 0.2327, 0.3578 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 61.1971, 0.2327, 0.3578 by changing the saturation by 10% instead.

 61.1971, 0.2327,
0.3578


 61.1971, 0.2327,
0.3578


428.9963, 0.2702,
0.3446

 44.3843, 0.2241,
0.3608


 106.5643, 0.2458,
0.3533

 30.9727, 0.2134,
0.3644


 135.8874, 0.2509,
0.3515


 20.5781, 0.1998,
0.3688


 170.1494, 0.2552,
0.3499

 12.8159, 0.1822,
0.3745

 209.7346, 0.2590,
0.3486

 7.3019, 0.1585,
0.3818

 255.0276, 0.2623,
0.3474

 3.6516, 0.1254,
0.3913

306.4126, 0.2653,

 1.4807, 0.0238,

0.3464

0.4264

364.2740, 0.2679,
0.3454

■ 0.2751, 0.0000,
0.3556

■ 0.0000, 0.0000,
0.0000

■ 61.1971, 0.2327,
0.3578

■ 61.1971, 0.2327,
0.3578

■ 61.2030, 0.2327,
0.3578

■ 61.4899, 0.2332,
0.3547

■ 61.9948, 0.2351,
0.3516

■ 62.7867, 0.2390,
0.3484

■ 63.9058, 0.2447,
0.3453

■ 65.3857, 0.2524,
0.3422

■ 67.2560, 0.2619,
0.3393

■ 69.5431, 0.2729,
0.3364

■ 72.2711, 0.2852,
0.3337

■ 75.4623, 0.2986,
0.3313

Harmonies

Analogous

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



61.1971, 0.2844, 0.4192



61.1971, 0.2327, 0.3578



61.1971, 0.2037, 0.2935

Triad

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



61.1971, 0.2327, 0.3578



61.1971, 0.2691, 0.2342



61.1971, 0.4371, 0.3932

Complementary

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



61.1971, 0.2327, 0.3578



16.8788, 0.6316, 0.3253

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.



61.1971, 0.4354, 0.3446



61.1971, 0.2327, 0.3578



61.1971, 0.3321, 0.2581

Square

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



61.1971, 0.2327, 0.3578



61.1971, 0.2232, 0.2301



61.1971, 0.3954, 0.2971



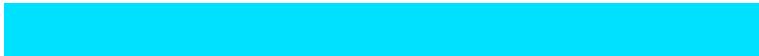
61.1971, 0.4033, 0.4329

Rectangle

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



61.1971, 0.2327, 0.3578



61.1971, 0.1989, 0.2612



61.1971, 0.3954, 0.2971



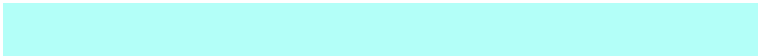
61.1971, 0.4410, 0.3774

Sweetspot

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



61.2030, 0.2327, 0.3578



87.8225, 0.2727, 0.3365



56.7814, 0.3020, 0.5984



18.5220, 0.2679, 0.3376



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.



61.2030, 0.2327, 0.3578



77.3300, 0.2328, 0.3580



23.8924, 0.1862, 0.1904



16.3125, 0.2994, 0.3311



34.6559, 0.2326, 0.3573



2.5676, 0.2313, 0.3528

Inverse Universe

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



16.8788, 0.6316, 0.3253



21.3230, 0.6322, 0.3256



24.4796, 0.5720, 0.3840



14.3893, 0.3278, 0.3269



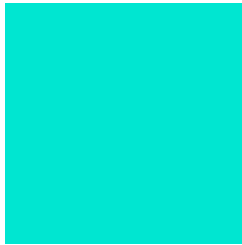
9.5625, 0.6295, 0.3241



0.7140, 0.6039, 0.3100

Previews

White Background



This preview shows how the Yxy color 61.1971, 0.2327, 0.3578 looks on a white background.

Color Contrast Check

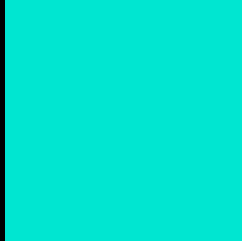
Large Text (above 18pt) WCAG AA × Fail

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 61.1971, 0.2327, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

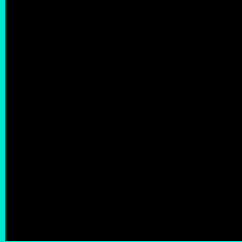
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1971, 0.2327, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 61.1971, 0.2327, 0.3578.

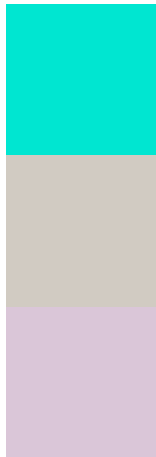


This preview shows how white text looks on a background with the Yxy color 61.1971, 0.2327, 0.3578.

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

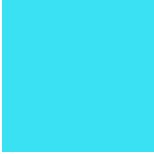
61.1971, 0.2327, 0.3578

Protanopia

60.1622, 0.3239, 0.3396

Deuteranopia

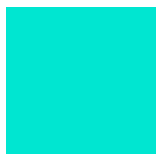
60.2515, 0.3152, 0.3088



Tritanopia

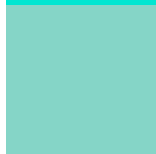
61.1913, 0.2237, 0.3056

Trichromacy



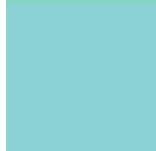
Original Color

61.1971, 0.2327, 0.3578



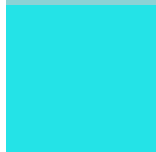
Protanomaly

56.6986, 0.2683, 0.3475



Deuteranomaly

56.3863, 0.2634, 0.3250



Tritanomaly

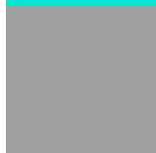
61.0828, 0.2257, 0.3234

Monochromacy



Original Color

61.1971, 0.2327, 0.3578



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.6390, 0.2573, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1971, 0.2327, 0.3578 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, 230, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 209)  
}
```

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, 230, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 209) }
```

Border

The CSS property to change the border of an element to Yxy 61.1971, 0.2327, 0.3578 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, 230, 209) }
```

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

```
.border{ border-color:rgb(0, 230, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1971, 0.2327, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 209) }
```

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

```
.background{ background-color: rgb(0, 230,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor