

Converting Colors

$Y_{xy}(53.3958, 0.1663, 0.3558)$

Have a look what the booklet for
Yxy(53.3958, 0.1663, 0.3558)
contains.

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Color

Yxy(61.3977, 0.2311, 0.3521)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00E6D5 |
| RGB | 0, 230, 213 |
| RGB Percent | 0%, 90%, 84% |
| CMY | 1.0000, 0.0980, 0.1647 |
| CMYK | 1.00, 0.00, 0.07, 0.10 |
| HSL | 176°, 100%, 45% |
| HSV | 176°, 100%, 90% |
| XYZ | 40.2982, 61.3977, 72.6798 |
| YIQ | 159.2920, -131.6230, -54.0470 |

Conversions

Conversions Part 2

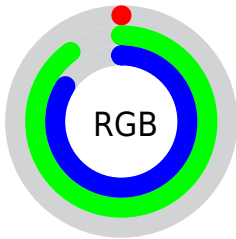
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 119, 230 |
| Decimal | 59093 |
| CIELab | 82.59, -49.34, -4.80 |
| CIELCh | 83, 49.576, 185.559 |
| Yxy | 61.3977, 0.2311, 0.3521 |
| Android (android.graphics.Color) | 4278249173 (0xFF00E6D5) |
| YUV | 159.2920, 26.4780, -139.6991 |
| Hunter-Lab | 78.3567, -45.3230, -0.1448 |

Details

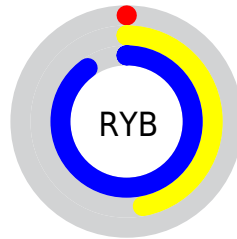
The Yxy color **61.3977, 0.2311, 0.3521** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.8659, 0.6337, 0.3264**, and the grayscale version is **34.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **32.3558, 0.2322, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **61.4060, 0.2311, 0.3521**, and if you desaturate by 10%, it is **61.6750, 0.2318, 0.3496**.

Distribution



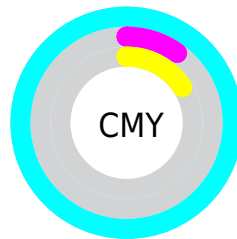
- Red (0%)
- Green (90%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3977, 0.2311, 0.3521 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 61.3977, 0.2311, 0.3521 by changing the saturation by 10% instead.


 61.3977, 0.2311,
0.3521

 61.3977, 0.2311,
0.3521


429.7307, 0.2692,
0.3418

 44.5462, 0.2224,
0.3543

 106.8546, 0.2444,
0.3486


 31.1001, 0.2116,
0.3570


 136.2287, 0.2495,
0.3473


 20.6751, 0.1979,
0.3602


 170.5459, 0.2540,
0.3461

 12.8867, 0.1803,
0.3641

 210.1905, 0.2578,
0.3450

 7.3506, 0.1566,
0.3688

 255.5468, 0.2612,
0.3441

 3.6823, 0.1237,
0.3741

306.9994, 0.2642,

 1.4975, 0.0319,

0.3432

0.3969

364.9326, 0.2669,
0.3425

■ 0.2870, 0.0000,
0.3068

■ 0.0000, 0.0000,
0.0000

■ 61.3977, 0.2311,
0.3521

■ 61.3977, 0.2311,
0.3521

■ 61.4060, 0.2311,
0.3521

■ 61.6750, 0.2318,
0.3496

■ 62.1615, 0.2338,
0.3471

■ 62.9346, 0.2378,
0.3446

■ 64.0345, 0.2437,
0.3421

■ 65.4947, 0.2515,
0.3396

■ 67.3448, 0.2611,
0.3372

■ 69.6112, 0.2723,
0.3350

■ 72.3181, 0.2848,
0.3328

■ 75.4878, 0.2984,
0.3308

Harmonies

Analogous

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



61.3977, 0.2806, 0.4134



61.3977, 0.2311, 0.3521



61.3977, 0.2045, 0.2901

Triad

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



61.3977, 0.2311, 0.3521



61.3977, 0.2743, 0.2370



61.3977, 0.4334, 0.3958

Complementary

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



61.3977, 0.2311, 0.3521



16.8659, 0.6337, 0.3264

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.



61.3977, 0.4345, 0.3483



61.3977, 0.2311, 0.3521



61.3977, 0.3369, 0.2618

Square

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



61.3977, 0.2311, 0.3521



61.3977, 0.2275, 0.2314



61.3977, 0.3980, 0.3012



61.3977, 0.3980, 0.4333

Rectangle

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



61.3977, 0.2311, 0.3521



61.3977, 0.2010, 0.2595



61.3977, 0.3980, 0.3012



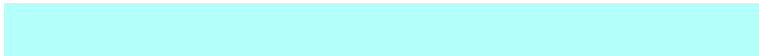
61.3977, 0.4380, 0.3805

Sweetspot

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



61.4060, 0.2311, 0.3521



87.9052, 0.2721, 0.3350



56.7418, 0.3015, 0.5988



18.5421, 0.2671, 0.3360



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.



61.4060, 0.2311, 0.3521



77.5844, 0.2312, 0.3522



22.8126, 0.1846, 0.1844



16.3170, 0.2991, 0.3307



34.7677, 0.2310, 0.3517



2.5747, 0.2300, 0.3481

Inverse Universe

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



16.8659, 0.6337, 0.3264



21.3065, 0.6342, 0.3268



25.1618, 0.5673, 0.3878



14.3852, 0.3281, 0.3273



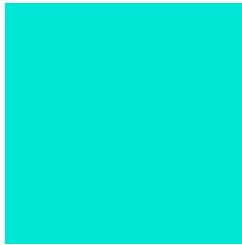
9.5538, 0.6318, 0.3254



0.7121, 0.6103, 0.3136

Previews

White Background



This preview shows how the Yxy color 61.3977, 0.2311, 0.3521 looks on a white background.

Color Contrast Check

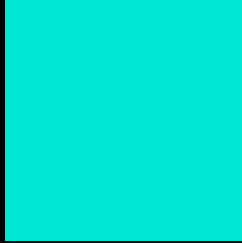
Large Text (above 18pt) WCAG AA × Fail

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 61.3977, 0.2311, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

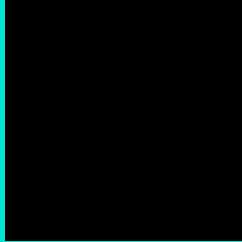
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.3977, 0.2311, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 61.3977, 0.2311, 0.3521.

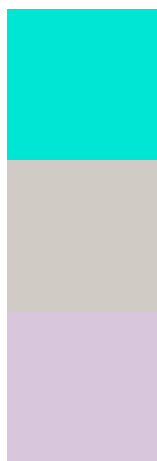


This preview shows how white text looks on a background with the Yxy color 61.3977, 0.2311, 0.3521.

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

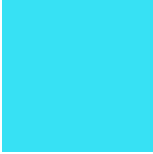
61.3977, 0.2311, 0.3521

Protanopia

60.2984, 0.3217, 0.3360

Deuteranopia

60.1544, 0.3108, 0.3043



Tritanopia

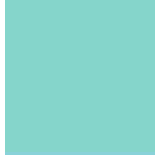
61.1943, 0.2230, 0.3044

Trichromacy



Original Color

61.3977, 0.2311, 0.3521



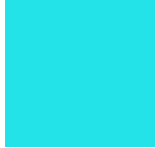
Protanomaly

56.8868, 0.2661, 0.3421



Deuteranomaly

56.4213, 0.2601, 0.3198



Tritanomaly

61.1787, 0.2248, 0.3208

Monochromacy



Original Color

61.3977, 0.2311, 0.3521



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.7193, 0.2561, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3977, 0.2311, 0.3521 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 213) }
```

Border

The CSS property to change the border of an element to Yxy 61.3977, 0.2311, 0.3521 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, 213) }
```

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

```
.border{ border-color:rgb(0, 230, 213) }
```

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, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3977, 0.2311, 0.3521 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, 213) }
```

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

```
.background{ background-color: rgb(0, 230,  
213) }
```

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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