

Converting Colors

$Y_{xy}(56.8095, 0.1914, 0.3397)$

Have a look what the booklet for
Yxy(56.8095, 0.1914, 0.3397)
contains.

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Color

Yxy(61.8676, 0.2277, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	01E6DE
RGB	1, 230, 222
RGB Percent	0%, 90%, 87%
CMY	0.9950, 0.0981, 0.1294
CMYK	0.99, 0.00, 0.03, 0.10
HSL	178°, 99%, 45%
HSV	178°, 99%, 90%
XYZ	41.4941, 61.8676, 78.8698
YIQ	160.6170, -133.9160, -51.0360

Conversions

Conversions Part 2

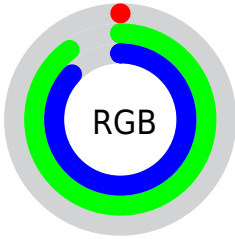
Format	Color
RYB	1, 118, 230
Decimal	124638
CIELab	82.84, -46.74, -9.20
CIELCh	83, 47.641, 191.132
Yxy	61.8676, 0.2277, 0.3395
Android (android.graphics.Color)	4278314718 (0xFF01E6DE)
YUV	160.6170, 30.2618, -139.9841
Hunter-Lab	78.6560, -43.4821, -4.3920

Details

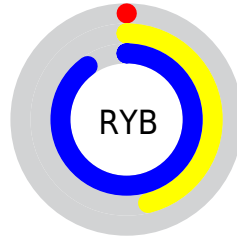
The Yxy color **61.8676, 0.2277, 0.3395** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.8688, 0.6365, 0.3284**, and the grayscale version is **35.3936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **33.0621, 0.2281, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **61.8594, 0.2277, 0.3396**, and if you desaturate by 10%, it is **62.1023, 0.2287, 0.3384**.

Distribution



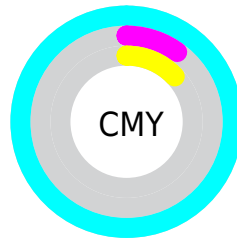
- Red (0%)
- Green (90%)
- Blue (87%)



- Red (0%)
- Yellow (46%)
- Blue (90%)



- Cyan (99%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8676, 0.2277, 0.3395 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 61.8676, 0.2277, 0.3395 by changing the saturation by 10% instead.


 61.8676, 0.2277,
0.3395


 61.8676, 0.2277,
0.3395


431.4480, 0.2671,
0.3356

 44.9257, 0.2188,
0.3401


 107.5342, 0.2413,
0.3384


 31.3989, 0.2078,
0.3407


 137.0276, 0.2467,
0.3379


 20.9028, 0.1939,
0.3412


 171.4737, 0.2513,
0.3374

 13.0530, 0.1762,
0.3415

 211.2569, 0.2552,
0.3370

 7.4650, 0.1526,
0.3409

 256.7615, 0.2588,
0.3366

 3.7546, 0.1203,
0.3381

308.3720, 0.2619,

 1.5373, 0.0464,

0.3362

0.3392

366.4727, 0.2646,
0.3359

■ 0.3147, 0.0000,
0.2420

■ 0.0000, 0.0000,
0.0000

■ 61.8676, 0.2277,
0.3395

■ 61.8676, 0.2277,
0.3395

■ 61.8594, 0.2277,
0.3396

■ 62.1023, 0.2287,
0.3384

■ 62.5588, 0.2312,
0.3372

■ 63.3036, 0.2355,
0.3361

■ 64.3763, 0.2417,
0.3349

■ 65.8103, 0.2499,
0.3338

■ 67.6349, 0.2599,
0.3327

■ 69.8764, 0.2715,
0.3317

■ 72.5588, 0.2845,
0.3307

■ 75.7043, 0.2986,
0.3298

Harmonies

Analogous

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



61.8676, 0.2719, 0.4002



61.8676, 0.2277, 0.3395



61.8676, 0.2064, 0.2827

Triad

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



61.8676, 0.2277, 0.3395



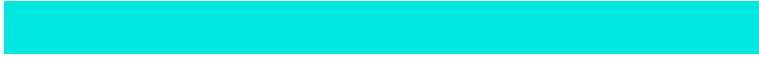
61.8676, 0.2863, 0.2435



61.8676, 0.4246, 0.4015

Complementary

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



61.8676, 0.2277, 0.3395



16.8688, 0.6365, 0.3284

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.



61.8676, 0.4321, 0.3567



61.8676, 0.2277, 0.3395



61.8676, 0.3477, 0.2705

Square

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



61.8676, 0.2277, 0.3395



61.8676, 0.2375, 0.2344



61.8676, 0.4033, 0.3105



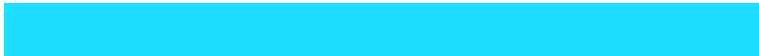
61.8676, 0.3860, 0.4336

Rectangle

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



61.8676, 0.2277, 0.3395



61.8676, 0.2061, 0.2561



61.8676, 0.4033, 0.3105



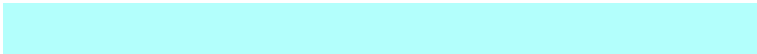
61.8676, 0.4310, 0.3873

Sweetspot

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



61.8699, 0.2277, 0.3395



88.0936, 0.2706, 0.3318



56.6732, 0.3008, 0.5990



18.5879, 0.2655, 0.3322



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.



61.8699, 0.2277, 0.3395



78.1805, 0.2277, 0.3396



20.9160, 0.1816, 0.1735



16.3273, 0.2986, 0.3298



35.0293, 0.2276, 0.3394



2.5913, 0.2272, 0.3377

Inverse Universe

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



16.8688, 0.6365, 0.3284



21.2795, 0.6376, 0.3286



26.7632, 0.5564, 0.3960



14.3761, 0.3287, 0.3282



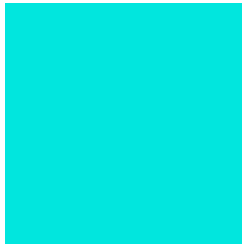
9.5379, 0.6362, 0.3279



0.7077, 0.6256, 0.3220

Previews

White Background



This preview shows how the Yxy color 61.8676, 0.2277, 0.3395 looks on a white background.

Color Contrast Check

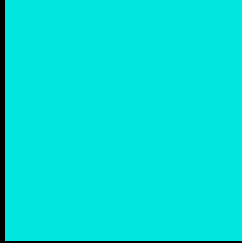
Large Text (above 18pt) WCAG AA × Fail

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 61.8676, 0.2277, 0.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

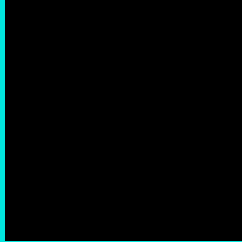
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

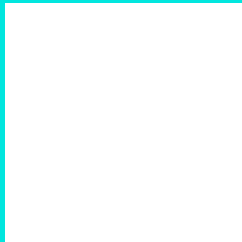
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8676, 0.2277, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 61.8676, 0.2277, 0.3395.

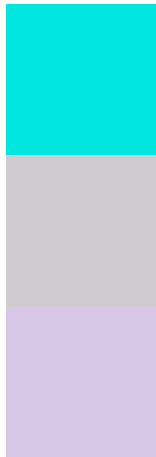


This preview shows how white text looks on a background with the Yxy color 61.8676, 0.2277, 0.3395.

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

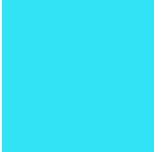
61.8740, 0.2277, 0.3395

Protanopia

60.4335, 0.3136, 0.3255

Deuteranopia

60.6501, 0.3021, 0.2955



Tritanopia

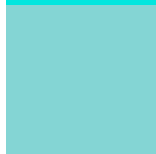
62.1837, 0.2223, 0.3057

Trichromacy



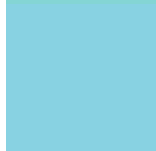
Original Color

61.8740, 0.2277, 0.3395



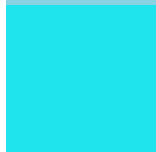
Protanomaly

57.2475, 0.2606, 0.3302



Deuteranomaly

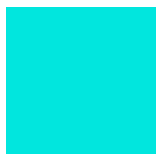
56.8184, 0.2548, 0.3085



Tritanomaly

61.9083, 0.2234, 0.3170

Monochromacy



Original Color

61.8740, 0.2277, 0.3395



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.4203, 0.2551, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8676, 0.2277, 0.3395 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, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 230, 222)  
}
```

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, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 230, 222) }
```

Border

The CSS property to change the border of an element to Yxy 61.8676, 0.2277, 0.3395 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, 230, 222) }
```

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

```
.border{ border-color:rgb(1, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 230,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8676, 0.2277, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 230, 222) }
```

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

```
.background{ background-color: rgb(1, 230,  
222) }
```

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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