

Converting Colors

$Y_{xy}(67.3621, 0.2315, 0.3535)$

Have a look what the booklet for
Yxy(67.3621, 0.2315, 0.3535)
contains.

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Color

Yxy(67.5406, 0.2316, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	00F0DD
RGB	0, 240, 221
RGB Percent	0%, 94%, 87%
CMY	1.0000, 0.0588, 0.1334
CMYK	1.00, 0.00, 0.08, 0.06
HSL	175°, 100%, 47%
HSV	175°, 100%, 94%
XYZ	44.2001, 67.5406, 79.1059
YIQ	166.0740, -136.9410, -56.7890

Conversions

Conversions Part 2

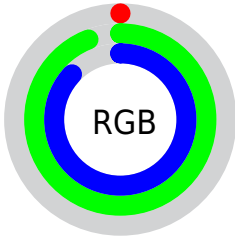
Format	Color
RYB	0, 125, 240
Decimal	61661
CIELab	85.78, -51.32, -4.32
CIELCh	86, 51.497, 184.812
Yxy	67.5406, 0.2316, 0.3539
Android (android.graphics.Color)	4278251741 (0xFF00F0DD)
YUV	166.0740, 27.0785, -145.6469
Hunter-Lab	82.1831, -47.8188, 0.4582

Details

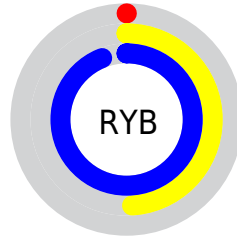
The Yxy color **67.5406, 0.2316, 0.3539** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.5752, 0.6333, 0.3262**, and the grayscale version is **38.0912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **36.6201, 0.2328, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **67.5497, 0.2316, 0.3539**, and if you desaturate by 10%, it is **67.8459, 0.2322, 0.3512**.

Distribution



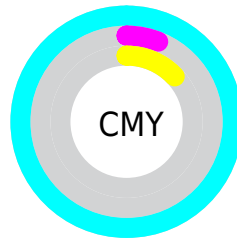
- Red (0%)
- Green (94%)
- Blue (87%)



- Red (0%)
- Yellow (49%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5406, 0.2316, 0.3539 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 67.5406, 0.2316, 0.3539 by changing the saturation by 10% instead.

 67.5406, 0.2316,
0.3539


 67.5406, 0.2316,
0.3539


451.8666, 0.2689,
0.3429

 49.5241, 0.2232,
0.3563


 115.6947, 0.2445,
0.3502


 35.0354, 0.2129,
0.3591


 146.6011, 0.2495,
0.3487

 23.6901, 0.2000,
0.3625


 182.5728, 0.2538,
0.3474

 15.1039, 0.1834,
0.3667

 223.9944, 0.2576,
0.3463

 8.8924, 0.1614,
0.3719

 271.2502, 0.2610,
0.3453

 4.6710, 0.1314,
0.3782

324.7245, 0.2639,

 2.0556, 0.0772,

0.3444

0.3898

384.8019, 0.2665,
0.3436

■ 0.6395, 0.0000,
0.3904

■ 0.0000, 0.0000,
0.0000

■ 67.5406, 0.2316,
0.3539

■ 67.5406, 0.2316,
0.3539


■ 67.5497, 0.2316,
0.3539

■ 67.8459, 0.2322,
0.3512


■ 68.3833, 0.2342,
0.3485

■ 69.2371, 0.2381,
0.3458


■ 70.4518, 0.2439,
0.3431

 72.0649, 0.2516,
0.3405

 74.1092, 0.2612,
0.3379

 76.6141, 0.2724,
0.3354

 79.6063, 0.2849,
0.3331

 83.1107, 0.2984,
0.3310

Harmonies

Analogous

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



67.5406, 0.2818, 0.4152



67.5406, 0.2316, 0.3539



67.5406, 0.2042, 0.2912

Triad

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



67.5406, 0.2316, 0.3539



67.5406, 0.2726, 0.2361



67.5406, 0.4346, 0.3950

Complementary

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



67.5406, 0.2316, 0.3539



18.5752, 0.6333, 0.3262

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.



67.5406, 0.4348, 0.3471



67.5406, 0.2316, 0.3539



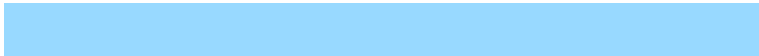
67.5406, 0.3354, 0.2606

Square

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



67.5406, 0.2316, 0.3539



67.5406, 0.2261, 0.2310



67.5406, 0.3972, 0.2999



67.5406, 0.3997, 0.4332

Rectangle

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



67.5406, 0.2316, 0.3539



67.5406, 0.2003, 0.2600



67.5406, 0.3972, 0.2999



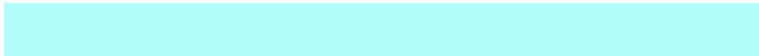
67.5406, 0.4390, 0.3795

Sweetspot

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



67.5497, 0.2316, 0.3539



87.8798, 0.2723, 0.3354



62.4785, 0.3015, 0.5988



18.5359, 0.2674, 0.3365



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.



67.5497, 0.2316, 0.3539



77.5058, 0.2317, 0.3540



25.0512, 0.1845, 0.1840



17.9061, 0.2992, 0.3309



36.9813, 0.2315, 0.3535



3.0829, 0.2305, 0.3499

Inverse Universe

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



18.5752, 0.6333, 0.3262



21.3113, 0.6337, 0.3264



27.6438, 0.5677, 0.3875



15.7792, 0.3281, 0.3272



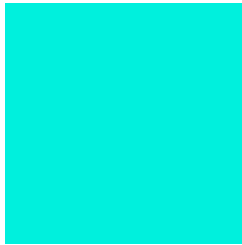
10.1742, 0.6314, 0.3252



0.8534, 0.6108, 0.3138

Previews

White Background



This preview shows how the Yxy color 67.5406, 0.2316, 0.3539 looks on a white background.

Color Contrast Check

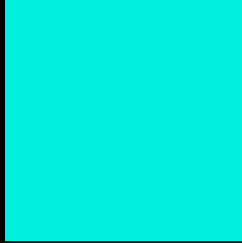
Large Text (above 18pt) WCAG AA × Fail

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 67.5406, 0.2316, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

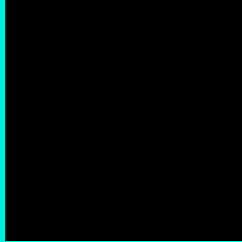
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5406, 0.2316, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 67.5406, 0.2316, 0.3539.

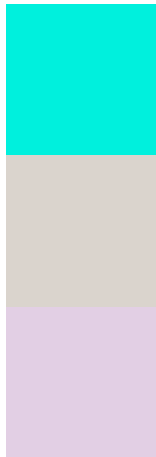


This preview shows how white text looks on a background with the Yxy color 67.5406, 0.2316, 0.3539.

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

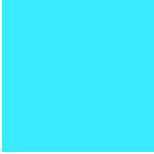
67.5406, 0.2316, 0.3539

Protanopia

66.4002, 0.3220, 0.3369

Deuteranopia

66.3958, 0.3123, 0.3064



Tritanopia

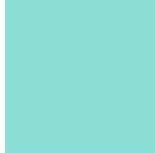
67.4720, 0.2233, 0.3053

Trichromacy



Original Color

67.5406, 0.2316, 0.3539



Protanomaly

62.4347, 0.2665, 0.3429



Deuteranomaly

62.0286, 0.2613, 0.3214



Tritanomaly

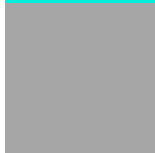
67.3725, 0.2253, 0.3224

Monochromacy



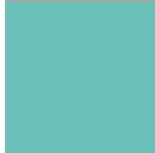
Original Color

67.5406, 0.2316, 0.3539



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.7493, 0.2568, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5406, 0.2316, 0.3539 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, 240, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 221)  
}
```

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, 240, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.5406, 0.2316, 0.3539 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, 240, 221) }
```

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

```
.border{ border-color:rgb(0, 240, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5406, 0.2316, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 221) }
```

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

```
.background{ background-color: rgb(0, 240,  
221) }
```

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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