

Converting Colors

$Y_{xy}(69.6473, 0.2310, 0.3515)$

Have a look what the booklet for
Yxy(69.6473, 0.2310, 0.3515)
contains.

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Color

Yxy(69.5986, 0.2308, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	00F3E2
RGB	0, 243, 226
RGB Percent	0%, 95%, 89%
CMY	1.0000, 0.0470, 0.1137
CMYK	1.00, 0.00, 0.07, 0.05
HSL	176°, 100%, 48%
HSV	176°, 100%, 95%
XYZ	45.7776, 69.5986, 82.9669
YIQ	168.4050, -139.3710, -56.8030

Conversions

Conversions Part 2

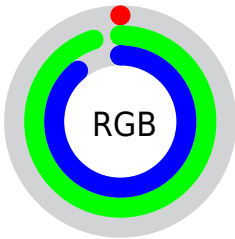
Format	Color
RYB	0, 126, 243
Decimal	62434
CIELab	86.80, -51.17, -5.43
CIELCh	87, 51.460, 186.061
Yxy	69.5986, 0.2308, 0.3509
Android (android.graphics.Color)	4278252514 (0xFF00F3E2)
YUV	168.4050, 28.3943, -147.6912
Hunter-Lab	83.4258, -48.0482, -0.5659

Details

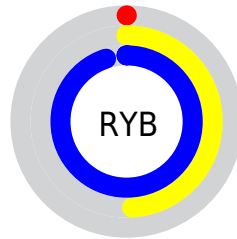
The Yxy color **69.5986, 0.2308, 0.3509** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.0985, 0.6344, 0.3268**, and the grayscale version is **39.2813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **38.0581, 0.2317, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **69.6028, 0.2308, 0.3509**, and if you desaturate by 10%, it is **69.8946, 0.2314, 0.3486**.

Distribution



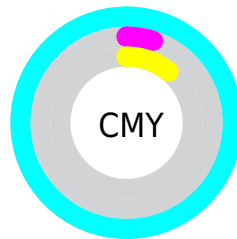
- Red (0%)
- Green (95%)
- Blue (89%)



- Red (0%)
- Yellow (49%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5986, 0.2308, 0.3509 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 69.5986, 0.2308, 0.3509 by changing the saturation by 10% instead.

 69.5986, 0.2308,
0.3509

 69.5986, 0.2308,
0.3509


459.1394, 0.2682,
0.3415


 51.1994, 0.2224,
0.3529

 118.6362, 0.2436,
0.3478


 36.3673, 0.2122,
0.3552


 150.0433, 0.2487,
0.3465

 24.7180, 0.1994,
0.3580


 186.5551, 0.2530,
0.3454

 15.8671, 0.1831,
0.3613

 228.5561, 0.2568,
0.3444

 9.4301, 0.1617,
0.3652

 276.4306, 0.2602,
0.3436

 5.0228, 0.1325,
0.3695

330.5631, 0.2632,

 2.2606, 0.0861,

0.3428

0.3755

391.3379, 0.2658,
0.3421

0.7528, 0.0000,
0.3817

0.0000, 0.0000,
0.0000

69.5986, 0.2308,
0.3509

69.5986, 0.2308,
0.3509

69.6028, 0.2308,
0.3509

69.8946, 0.2314,
0.3486

70.4348, 0.2335,
0.3462

71.3002, 0.2374,
0.3438

72.5369, 0.2433,
0.3414

■ 74.1836, 0.2511,
0.3391

■ 76.2741, 0.2608,
0.3368

■ 78.8386, 0.2720,
0.3347

■ 81.9048, 0.2846,
0.3326

■ 85.4981, 0.2983,
0.3307

Harmonies

Analogous

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



69.5986, 0.2798, 0.4121



69.5986, 0.2308, 0.3509



69.5986, 0.2047, 0.2894

Triad

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



69.5986, 0.2308, 0.3509



69.5986, 0.2754, 0.2376



69.5986, 0.4325, 0.3964

Complementary

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



69.5986, 0.2308, 0.3509



19.0985, 0.6344, 0.3268

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.



69.5986, 0.4343, 0.3491



69.5986, 0.2308, 0.3509



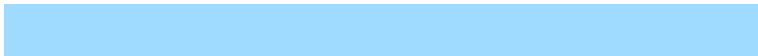
69.5986, 0.3379, 0.2627

Square

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



69.5986, 0.2308, 0.3509



69.5986, 0.2284, 0.2317



69.5986, 0.3984, 0.3020



69.5986, 0.3969, 0.4333

Rectangle

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



69.5986, 0.2308, 0.3509



69.5986, 0.2015, 0.2592



69.5986, 0.3984, 0.3020



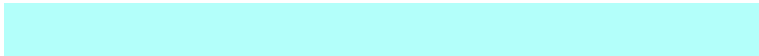
69.5986, 0.4374, 0.3811

Sweetspot

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



69.6028, 0.2308, 0.3509



87.9238, 0.2719, 0.3347



64.2635, 0.3015, 0.5988



18.5466, 0.2670, 0.3356



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.



69.6028, 0.2308, 0.3509



77.6424, 0.2308, 0.3510



25.7470, 0.1844, 0.1839



18.7366, 0.2990, 0.3306



38.2024, 0.2307, 0.3505



3.3635, 0.2299, 0.3476

Inverse Universe

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



19.0985, 0.6344, 0.3268



21.3032, 0.6347, 0.3270



28.4154, 0.5678, 0.3874



16.5013, 0.3283, 0.3274



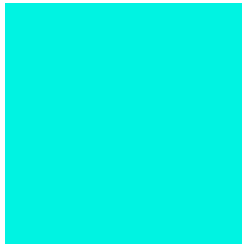
10.4871, 0.6327, 0.3259



0.9282, 0.6150, 0.3162

Previews

White Background



This preview shows how the Yxy color 69.5986, 0.2308, 0.3509 looks on a white background.

Color Contrast Check

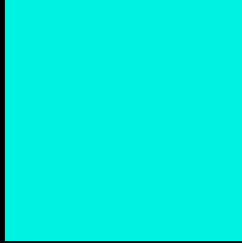
Large Text (above 18pt) WCAG AA × Fail

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 69.5986, 0.2308, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

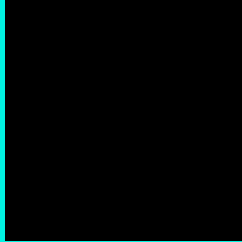
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5986, 0.2308, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 69.5986, 0.2308, 0.3509.

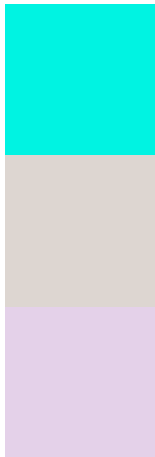


This preview shows how white text looks on a background with the Yxy color 69.5986, 0.2308, 0.3509.

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

69.5922, 0.2308, 0.3509

Protanopia

68.0687, 0.3213, 0.3346

Deuteranopia

67.9781, 0.3102, 0.3034



Tritanopia

69.6274, 0.2288, 0.3069

Trichromacy



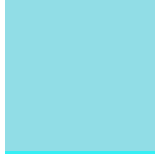
Original Color

69.5922, 0.2308, 0.3509



Protanomaly

64.4194, 0.2659, 0.3414



Deuteranomaly

63.4458, 0.2595, 0.3178



Tritanomaly

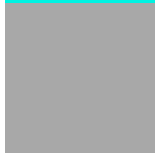
69.0215, 0.2274, 0.3225

Monochromacy



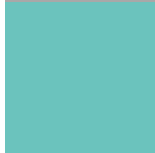
Original Color

69.5922, 0.2308, 0.3509



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.8301, 0.2561, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5986, 0.2308, 0.3509 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, 243, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 226)  
}
```

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, 243, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 226) }
```

Border

The CSS property to change the border of an element to Yxy 69.5986, 0.2308, 0.3509 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, 243, 226) }
```

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

```
.border{ border-color:rgb(0, 243, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 243, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5986, 0.2308, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 226) }
```

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

```
.background{ background-color: rgb(0, 243,  
226) }
```

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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