

Converting Colors

$Yxy(69.5095, 0.2317, 0.3539)$

Have a look what the booklet for
Yxy(69.5095, 0.2317, 0.3539)
contains.

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Color

Yxy(69.4895, 0.2316, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	01F3E0
RGB	1, 243, 224
RGB Percent	0%, 95%, 88%
CMY	0.9962, 0.0470, 0.1217
CMYK	1.00, 0.00, 0.08, 0.05
HSL	175°, 99%, 48%
HSV	175°, 100%, 95%
XYZ	45.5141, 69.4895, 81.5165
YIQ	168.4760, -138.1330, -57.2130

Conversions

Conversions Part 2

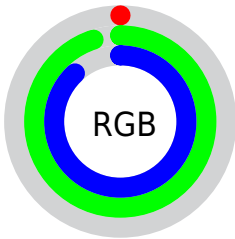
Format	Color
R _Y B	1, 127, 243
Decimal	127968
CIE Lab	86.75, -51.69, -4.46
CIE LCh	87, 51.886, 184.927
Yxy	69.4895, 0.2316, 0.3536
Android (android.graphics.Color)	4278318048 (0xFF01F3E0)
YUV	168.4760, 27.3733, -146.8765
Hunter-Lab	83.3604, -48.4211, 0.3737

Details

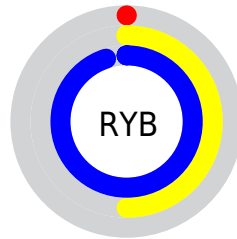
The Yxy color **69.4895, 0.2316, 0.3536** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.1275, 0.6328, 0.3263**, and the grayscale version is **39.3135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **37.9824, 0.2326, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **69.4817, 0.2316, 0.3537**, and if you desaturate by 10%, it is **69.8002, 0.2322, 0.3510**.

Distribution



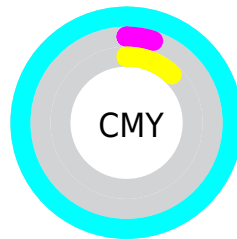
- Red (0%)
- Green (95%)
- Blue (88%)



- Red (0%)
- Yellow (50%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4895, 0.2316, 0.3536 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 69.4895, 0.2316, 0.3536 by changing the saturation by 10% instead.


 69.4895, 0.2316,
0.3536


 69.4895, 0.2316,
0.3536


458.7555, 0.2687,
0.3428

 51.1105, 0.2233,
0.3559


 118.4805, 0.2444,
0.3500


 36.2965, 0.2131,
0.3586


 149.8612, 0.2494,
0.3485


 24.6633, 0.2004,
0.3620


 186.3446, 0.2537,
0.3473

 15.8264, 0.1841,
0.3660

 228.3150, 0.2574,
0.3462

 9.4014, 0.1626,
0.3710

 276.1570, 0.2608,
0.3452

 5.0039, 0.1334,
0.3770

330.2547, 0.2637,

 2.2496, 0.0858,

0.3443

0.3861

390.9928, 0.2663,
0.3435

■ 0.7468, 0.0000,
0.3971

■ 0.0000, 0.0000,
0.0000

■ 69.4895, 0.2316,
0.3536

■ 69.4895, 0.2316,
0.3536

■ 69.4817, 0.2316,
0.3537

■ 69.8002, 0.2322,
0.3510

■ 70.3628, 0.2342,
0.3483

■ 71.2529, 0.2382,
0.3456

■ 72.5162, 0.2441,
0.3429

■ 74.1911, 0.2519,
0.3403

■ 76.3112, 0.2616,
0.3377

■ 78.9066, 0.2728,
0.3353

■ 82.0050, 0.2854,
0.3330

■ 85.6317, 0.2990,
0.3309

Harmonies

Analogous

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



69.4895, 0.2816, 0.4149



69.4895, 0.2316, 0.3536



69.4895, 0.2043, 0.2911

Triad

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



69.4895, 0.2316, 0.3536



69.4895, 0.2729, 0.2363



69.4895, 0.4343, 0.3951

Complementary

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



69.4895, 0.2316, 0.3536



19.1275, 0.6328, 0.3263

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.



69.4895, 0.4347, 0.3473



69.4895, 0.2316, 0.3536



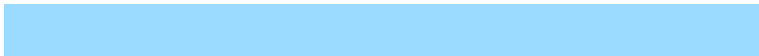
69.4895, 0.3356, 0.2609

Square

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



69.4895, 0.2316, 0.3536



69.4895, 0.2264, 0.2311



69.4895, 0.3972, 0.3001



69.4895, 0.3994, 0.4331

Rectangle

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



69.4895, 0.2316, 0.3536



69.4895, 0.2005, 0.2600



69.4895, 0.3972, 0.3001



69.4895, 0.4387, 0.3796

Sweetspot

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



69.4921, 0.2316, 0.3536



87.8828, 0.2722, 0.3354



64.2684, 0.3015, 0.5986



18.5367, 0.2673, 0.3364



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.



69.4921, 0.2316, 0.3536



77.5152, 0.2316, 0.3538



25.8708, 0.1847, 0.1845



18.7340, 0.2991, 0.3308



38.1409, 0.2315, 0.3533



3.3588, 0.2305, 0.3499

Inverse Universe

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



19.1275, 0.6328, 0.3263



21.3107, 0.6337, 0.3265



28.5252, 0.5669, 0.3878



16.5037, 0.3281, 0.3272



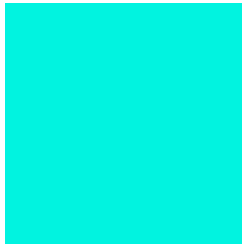
10.4914, 0.6316, 0.3253



0.9293, 0.6121, 0.3146

Previews

White Background



This preview shows how the Yxy color 69.4895, 0.2316, 0.3536 looks on a white background.

Color Contrast Check

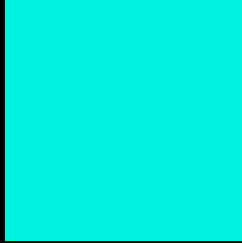
Large Text (above 18pt) WCAG AA × Fail

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 69.4895, 0.2316, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

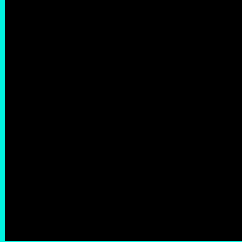
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4895, 0.2316, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 69.4895, 0.2316, 0.3536.

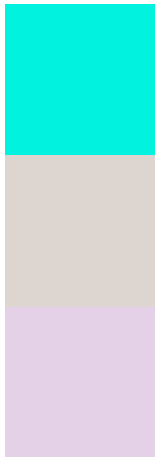


This preview shows how white text looks on a background with the Yxy color 69.4895, 0.2316, 0.3536.

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

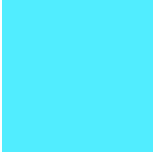
69.4895, 0.2316, 0.3536

Protanopia

68.0194, 0.3220, 0.3357

Deuteranopia

68.0285, 0.3123, 0.3056



Tritanopia

69.5377, 0.2283, 0.3069

Trichromacy



Original Color

69.4895, 0.2316, 0.3536



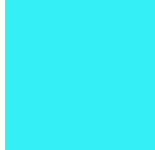
Protanomaly

64.3682, 0.2665, 0.3427



Deuteranomaly

63.4253, 0.2611, 0.3202



Tritanomaly

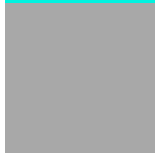
68.9947, 0.2272, 0.3225

Monochromacy



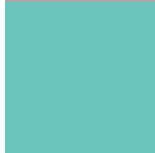
Original Color

69.4895, 0.2316, 0.3536



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.7869, 0.2567, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4895, 0.2316, 0.3536 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, 243, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 243, 224)  
}
```

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, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 243, 224) }
```

Border

The CSS property to change the border of an element to Yxy 69.4895, 0.2316, 0.3536 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, 243, 224) }
```

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

```
.border{ border-color:rgb(1, 243, 224) }
```

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

Here you see how a box with a 4 pixel rgb(1, 243, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 243,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4895, 0.2316, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 243, 224) }
```

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

```
.background{ background-color: rgb(1, 243,  
224) }
```

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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