

Converting Colors

$Yxy(63.3582, 0.1908, 0.3434)$

Have a look what the booklet for
Yxy(63.3582, 0.1908, 0.3434)
contains.

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Color

Yxy(68.6801, 0.2283, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	01F1E7
RGB	1, 241, 231
RGB Percent	0%, 95%, 91%
CMY	0.9956, 0.0549, 0.0942
CMYK	1.00, 0.00, 0.04, 0.05
HSL	177°, 99%, 47%
HSV	177°, 100%, 95%
XYZ	45.8872, 68.6801, 86.4280
YIQ	168.1000, -139.8300, -53.9900

Conversions

Conversions Part 2

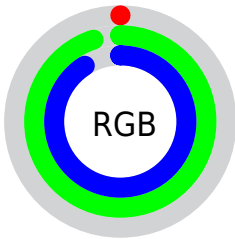
Format	Color
R_{YB}	1, 124, 241
Decimal	127463
CIE Lab	86.35, -48.90, -8.72
CIE LCh	86, 49.673, 190.114
Yxy	68.6801, 0.2283, 0.3417
Android (android.graphics.Color)	4278317543 (0xFF01F1E7)
YUV	168.1000, 31.0097, -146.5467
Hunter-Lab	82.8735, -46.1927, -3.8216

Details

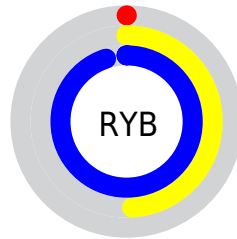
The Yxy color **68.6801, 0.2283, 0.3417** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.7485, 0.6363, 0.3282**, and the grayscale version is **39.1220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **37.4156, 0.2284, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **68.6728, 0.2283, 0.3418**, and if you desaturate by 10%, it is **68.9419, 0.2292, 0.3403**.

Distribution



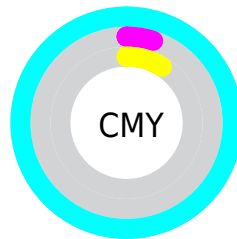
- Red (0%)
- Green (95%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6801, 0.2283, 0.3417 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 68.6801, 0.2283, 0.3417 by changing the saturation by 10% instead.


 68.6801, 0.2283,
0.3417


 68.6801, 0.2283,
0.3417


455.9019, 0.2668,
0.3368


 50.4512, 0.2197,
0.3426


 117.3245, 0.2415,
0.3402

 35.7721, 0.2093,
0.3435


 148.5089, 0.2467,
0.3396


 24.2582, 0.1962,
0.3444


 184.7806, 0.2511,
0.3390

 15.5253, 0.1796,
0.3453

 226.5239, 0.2551,
0.3385

 9.1889, 0.1579,
0.3457

 274.1233, 0.2585,
0.3380

 4.8646, 0.1286,
0.3448


327.9632, 0.2616,

 2.1680, 0.0829,


0.3376


0.3417


388.4279, 0.2643,
0.3372


 0.7025, 0.0000,
0.3285

 0.0000, 0.0000,
0.0000


 68.6801, 0.2283,
0.3417

 68.6801, 0.2283,
0.3417

 68.6728, 0.2283,
0.3418

 68.9419, 0.2292,
0.3403

 69.4507, 0.2316,
0.3390

 70.2803, 0.2358,
0.3376

 71.4754, 0.2419,
0.3362

■ 73.0735, 0.2500,
0.3348

■ 75.1076, 0.2600,
0.3335

■ 77.6071, 0.2715,
0.3323

■ 80.5990, 0.2845,
0.3311

■ 84.1082, 0.2986,
0.3300

Harmonies

Analogous

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



68.6801, 0.2735, 0.4025



68.6801, 0.2283, 0.3417



68.6801, 0.2061, 0.2840

Triad

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



68.6801, 0.2283, 0.3417



68.6801, 0.2842, 0.2423



68.6801, 0.4261, 0.4005

Complementary

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



68.6801, 0.2283, 0.3417



18.7485, 0.6363, 0.3282

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.



68.6801, 0.4326, 0.3552



68.6801, 0.2283, 0.3417



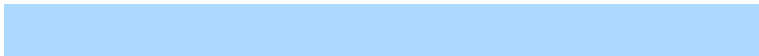
68.6801, 0.3457, 0.2690

Square

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



68.6801, 0.2283, 0.3417



68.6801, 0.2357, 0.2339



68.6801, 0.4024, 0.3088



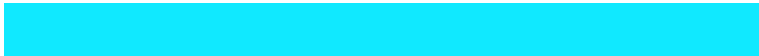
68.6801, 0.3881, 0.4336

Rectangle

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



68.6801, 0.2283, 0.3417



68.6801, 0.2052, 0.2567



68.6801, 0.4024, 0.3088



68.6801, 0.4323, 0.3861

Sweetspot

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



68.6827, 0.2283, 0.3417



88.0604, 0.2709, 0.3323



62.9956, 0.3008, 0.5991



18.5798, 0.2658, 0.3328



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.



68.6827, 0.2283, 0.3417



78.0737, 0.2283, 0.3418



23.1471, 0.1815, 0.1730



17.9169, 0.2987, 0.3300



37.2473, 0.2282, 0.3415



3.1021, 0.2277, 0.3397

Inverse Universe

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



18.7485, 0.6363, 0.3282



21.2833, 0.6371, 0.3284



29.6533, 0.5570, 0.3956



15.7695, 0.3287, 0.3281



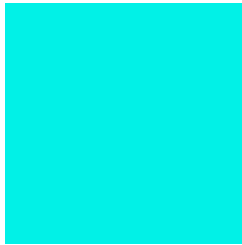
10.1578, 0.6357, 0.3275



0.8488, 0.6242, 0.3212

Previews

White Background



This preview shows how the Yxy color 68.6801, 0.2283, 0.3417 looks on a white background.

Color Contrast Check

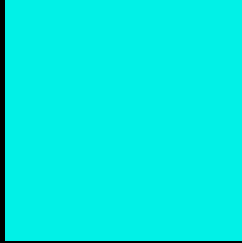
Large Text (above 18pt) WCAG AA × Fail

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 68.6801, 0.2283, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

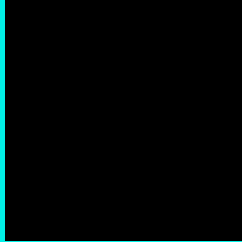
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

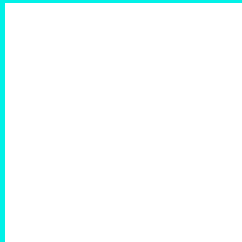
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6801, 0.2283, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 68.6801, 0.2283, 0.3417.

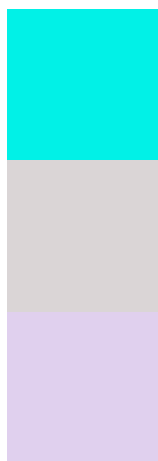


This preview shows how white text looks on a background with the Yxy color 68.6801, 0.2283, 0.3417.

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

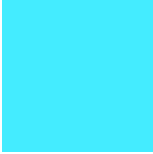
68.6866, 0.2283, 0.3417

Protanopia

67.3490, 0.3157, 0.3279

Deuteranopia

67.1321, 0.3040, 0.2969



Tritanopia

68.4398, 0.2251, 0.3055

Trichromacy



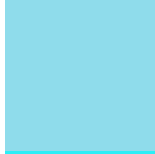
Original Color

68.6866, 0.2283, 0.3417



Protanomaly

63.4316, 0.2619, 0.3326



Deuteranomaly

63.0242, 0.2558, 0.3105



Tritanomaly

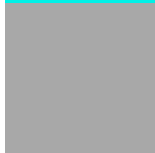
68.3384, 0.2250, 0.3187

Monochromacy



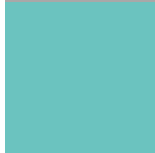
Original Color

68.6866, 0.2283, 0.3417



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.9176, 0.2550, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6801, 0.2283, 0.3417 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, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(1, 241, 231)  
}
```

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, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 241, 231) }
```

Border

The CSS property to change the border of an element to Yxy 68.6801, 0.2283, 0.3417 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, 241, 231) }
```

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

```
.border{ border-color:rgb(1, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(1, 241,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6801, 0.2283, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 241, 231) }
```

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

```
.background{ background-color: rgb(1, 241,  
231) }
```

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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