

Converting Colors

$Yxy(68.1540, 0.2306, 0.3478)$

Have a look what the booklet for
Yxy(68.1540, 0.2306, 0.3478)
contains.

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Color

Yxy(67.9127, 0.2304, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	0FF0E2
RGB	15, 240, 226
RGB Percent	6%, 94%, 89%
CMY	0.9417, 0.0588, 0.1138
CMYK	0.94, 0.00, 0.06, 0.06
HSL	176°, 88%, 50%
HSV	176°, 94%, 94%
XYZ	45.0795, 67.9127, 82.6653
YIQ	171.1290, -129.6060, -52.0540

Conversions

Conversions Part 2

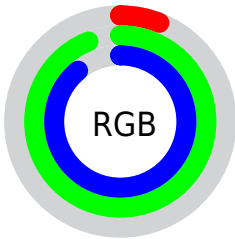
Format	Color
R _{YB}	15, 131, 240
Decimal	1044706
CIE Lab	85.96, -49.57, -6.66
CIE LCh	86, 50.012, 187.647
Yxy	67.9127, 0.2304, 0.3471
Android (android.graphics.Color)	4279234786 (0xFF0FF0E2)
YUV	171.1290, 27.0514, -136.9251
Hunter-Lab	82.4092, -46.5729, -1.7878

Details

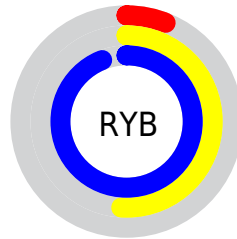
The Yxy color **67.9127, 0.2304, 0.3471** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.9527, 0.6244, 0.3258**, and the grayscale version is **40.6822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **36.8072, 0.2303, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **67.7641, 0.2301, 0.3484**, and if you desaturate by 10%, it is **68.3260, 0.2319, 0.3450**.

Distribution



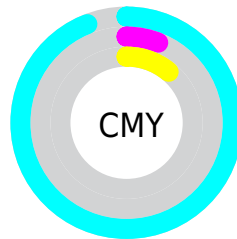
- Red (6%)
- Green (94%)
- Blue (89%)



- Red (6%)
- Yellow (51%)
- Blue (94%)



- Cyan (94%)
- Magenta (0%)
- Yellow (6%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9127, 0.2304, 0.3471 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 67.9127, 0.2304, 0.3471 by changing the saturation by 10% instead.

 67.9127, 0.2304,
0.3471

 67.9127, 0.2304,
0.3471


453.1866, 0.2681,
0.3395


 49.8267, 0.2219,
0.3486


 116.2272, 0.2434,
0.3446


 35.2757, 0.2116,
0.3504


 147.2246, 0.2484,
0.3436


 23.8754, 0.1987,
0.3524


 183.2945, 0.2528,
0.3427

 15.2412, 0.1821,
0.3548

 224.8214, 0.2567,
0.3419

 8.9888, 0.1604,
0.3573

 272.1897, 0.2600,
0.3412

 4.7339, 0.1307,
0.3595

325.7837, 0.2630,

 2.0920, 0.0814,

0.3406

0.3627

385.9879, 0.2657,
0.3400

■ 0.6601, 0.0000,
0.3547

■ 0.0000, 0.0000,
0.0000

■ 67.9127, 0.2304,
0.3471

■ 67.9127, 0.2304,
0.3471

■ 67.7641, 0.2301,
0.3484

■ 68.3260, 0.2319,
0.3450


■ 69.0328, 0.2352,
0.3429

■ 70.0842, 0.2404,
0.3408


■ 71.5198, 0.2475,
0.3387

 73.3742, 0.2565,
0.3367

 75.6778, 0.2673,
0.3347

 78.4584, 0.2795,
0.3329

 81.7413, 0.2928,
0.3312

 85.5503, 0.3071,
0.3296

Harmonies

Analogous

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



67.9127, 0.2775, 0.4076



67.9127, 0.2304, 0.3471



67.9127, 0.2059, 0.2876

Triad

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



67.9127, 0.2304, 0.3471



67.9127, 0.2791, 0.2401



67.9127, 0.4291, 0.3976

Complementary

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



67.9127, 0.2304, 0.3471



18.9527, 0.6244, 0.3258

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.



67.9127, 0.4327, 0.3514



67.9127, 0.2304, 0.3471



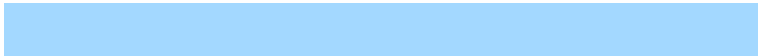
67.9127, 0.3408, 0.2656

Square

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



67.9127, 0.2304, 0.3471



67.9127, 0.2319, 0.2332



67.9127, 0.3994, 0.3049



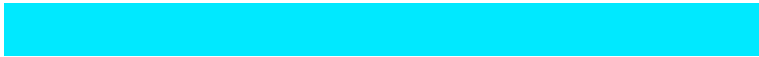
67.9127, 0.3929, 0.4327

Rectangle

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



67.9127, 0.2304, 0.3471



67.9127, 0.2037, 0.2587



67.9127, 0.3994, 0.3049



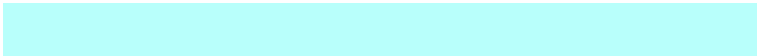
67.9127, 0.4345, 0.3828

Sweetspot

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



67.9153, 0.2304, 0.3471



88.5977, 0.2741, 0.3337



62.6334, 0.3019, 0.5950



18.6755, 0.2689, 0.3345



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.



67.9153, 0.2304, 0.3471



77.7583, 0.2301, 0.3484



25.8708, 0.1865, 0.1880



17.9110, 0.2989, 0.3305



37.0996, 0.2300, 0.3480



3.0915, 0.2293, 0.3453

Inverse Universe

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



18.9527, 0.6244, 0.3258



21.2971, 0.6354, 0.3274



30.2433, 0.5495, 0.3970



15.7748, 0.3284, 0.3276



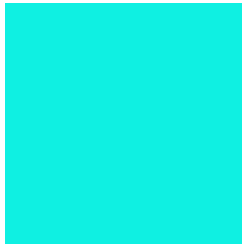
10.1662, 0.6335, 0.3263



0.8513, 0.6168, 0.3171

Previews

White Background



This preview shows how the Yxy color 67.9127, 0.2304, 0.3471 looks on a white background.

Color Contrast Check

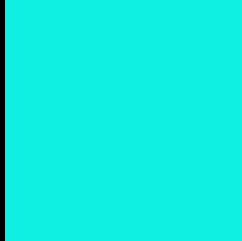
Large Text (above 18pt) WCAG AA × Fail

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 67.9127, 0.2304, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

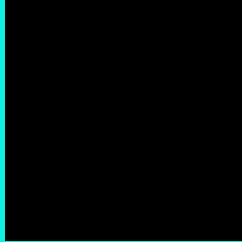
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

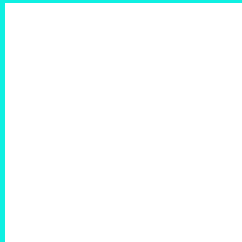
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9127, 0.2304, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 67.9127, 0.2304, 0.3471.

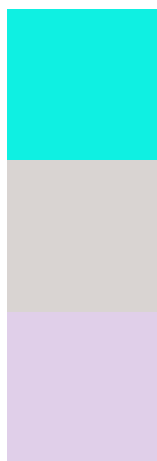


This preview shows how white text looks on a background with the Yxy color 67.9127, 0.2304, 0.3471.

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

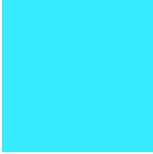
67.9127, 0.2304, 0.3471

Protanopia

66.4918, 0.3178, 0.3313

Deuteranopia

66.3561, 0.3074, 0.3010



Tritanopia

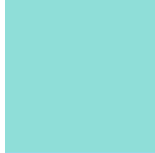
68.0517, 0.2229, 0.3054

Trichromacy



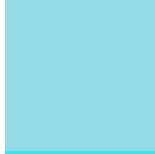
Original Color

67.9127, 0.2304, 0.3471



Protanomaly

63.0401, 0.2660, 0.3364



Deuteranomaly

62.6721, 0.2608, 0.3154



Tritanomaly

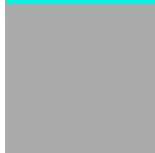
67.5714, 0.2250, 0.3199

Monochromacy



Original Color

67.9127, 0.2304, 0.3471



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.8189, 0.2590, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9127, 0.2304, 0.3471 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(15, 240, 226)` looks like.

```
.text, #text, p{  
    color:rgb(15, 240, 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(15, 240, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 240, 226) }
```

Border

The CSS property to change the border of an element to Yxy 67.9127, 0.2304, 0.3471 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(15, 240, 226) }
```

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

```
.border{ border-color:rgb(15, 240, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 240, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 240, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 240, 226);  
box-shadow:4px 4px 4px 4px rgb(15, 240,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9127, 0.2304, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 240, 226) }
```

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

```
.background{ background-color: rgb(15, 240,  
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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