

Converting Colors

$Y_{xy}(67.7351, 0.2342, 0.3607)$

Have a look what the booklet for
Yxy(67.7351, 0.2342, 0.3607)
contains.

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Color

Yxy(68.0219, 0.2342, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	0FF1D9
RGB	15, 241, 217
RGB Percent	6%, 95%, 85%
CMY	0.9399, 0.0549, 0.1491
CMYK	0.94, 0.00, 0.10, 0.05
HSL	174°, 89%, 50%
HSV	174°, 94%, 95%
XYZ	44.1784, 68.0219, 76.4350
YIQ	170.6900, -126.9920, -55.3760

Conversions

Conversions Part 2

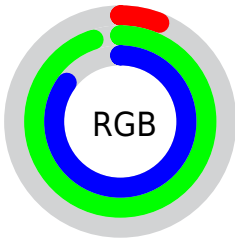
Format	Color
R _Y B	15, 134, 241
Decimal	1044953
CIE Lab	86.02, -52.42, -1.86
CIE LCh	86, 52.451, 182.029
Yxy	68.0219, 0.2342, 0.3606
Android (android.graphics.Color)	4279235033 (0xFF0FF1D9)
YUV	170.6900, 22.8308, -136.5401
Hunter-Lab	82.4754, -48.7174, 2.7851

Details

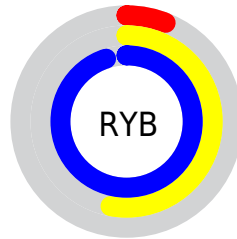
The Yxy color **68.0219, 0.2342, 0.3606** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.2007, 0.6164, 0.3214**, and the grayscale version is **40.5431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **36.8896, 0.2352, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **67.8357, 0.2342, 0.3629**, and if you desaturate by 10%, it is **68.4944, 0.2354, 0.3569**.

Distribution



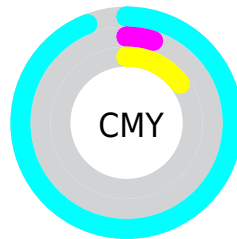
- Red (6%)
- Green (95%)
- Blue (85%)



- Red (6%)
- Yellow (53%)
- Blue (95%)



- Cyan (94%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (94%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0219, 0.2342, 0.3606 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 68.0219, 0.2342, 0.3606 by changing the saturation by 10% instead.


 68.0219, 0.2342,
0.3606

 68.0219, 0.2342,
0.3606


453.5736, 0.2704,
0.3462

 49.9156, 0.2260,
0.3638


 116.3835, 0.2467,
0.3557


 35.3463, 0.2159,
0.3677


 147.4075, 0.2516,
0.3537


 23.9298, 0.2033,
0.3726


 183.5062, 0.2558,
0.3521

 15.2815, 0.1870,
0.3787

 225.0639, 0.2595,
0.3506

 9.0172, 0.1654,
0.3868

 272.4652, 0.2627,
0.3493

 4.7524, 0.1355,
0.3975

326.0943, 0.2656,

 2.1027, 0.0806,

0.3482

0.4175

386.3356, 0.2681,
0.3471

■ 0.6662, 0.0000,
0.4379

■ 0.0000, 0.0000,
0.0000

■ 68.0219, 0.2342,
0.3606

■ 68.0219, 0.2342,
0.3606

■ 67.8357, 0.2342,
0.3629

■ 68.4944, 0.2354,
0.3569

■ 69.2655, 0.2383,
0.3532

■ 70.3865, 0.2433,
0.3495

■ 71.8976, 0.2501,
0.3459

73.8335, 0.2589,
0.3423

76.2248, 0.2692,
0.3389

79.0996, 0.2810,
0.3357

82.4835, 0.2939,
0.3327

86.4005, 0.3076,
0.3299

Harmonies

Analogous

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



68.0219, 0.2868, 0.4213



68.0219, 0.2342, 0.3606



68.0219, 0.2041, 0.2957

Triad

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



68.0219, 0.2342, 0.3606



68.0219, 0.2667, 0.2335



68.0219, 0.4381, 0.3915

Complementary

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



68.0219, 0.2342, 0.3606



19.2007, 0.6164, 0.3214

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.



68.0219, 0.4348, 0.3426



68.0219, 0.2342, 0.3606



68.0219, 0.3295, 0.2567

Square

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



68.0219, 0.2342, 0.3606



68.0219, 0.2216, 0.2302



68.0219, 0.3934, 0.2952



68.0219, 0.4054, 0.4319

Rectangle

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



68.0219, 0.2342, 0.3606



68.0219, 0.1986, 0.2626



68.0219, 0.3934, 0.2952



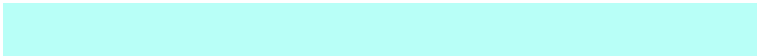
68.0219, 0.4414, 0.3755

Sweetspot

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



68.0245, 0.2342, 0.3606



88.4012, 0.2756, 0.3371



63.4316, 0.3038, 0.5933



18.6272, 0.2706, 0.3385



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.



68.0245, 0.2342, 0.3606



77.1138, 0.2342, 0.3630



29.7295, 0.1912, 0.2051



17.8983, 0.2995, 0.3315



36.7976, 0.2340, 0.3623



3.0695, 0.2326, 0.3575

Inverse Universe

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



19.2007, 0.6164, 0.3214



21.3398, 0.6302, 0.3245



28.2069, 0.5626, 0.3861



15.7862, 0.3277, 0.3265



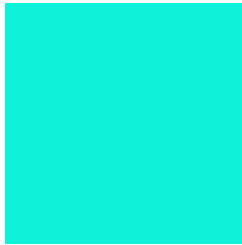
10.1899, 0.6274, 0.3230



0.8567, 0.6016, 0.3088

Previews

White Background



This preview shows how the Yxy color 68.0219, 0.2342, 0.3606 looks on a white background.

Color Contrast Check

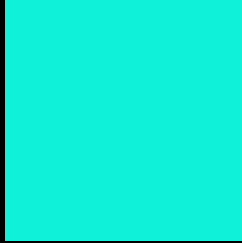
Large Text (above 18pt) WCAG AA × Fail

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 68.0219, 0.2342, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

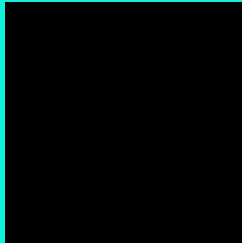
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

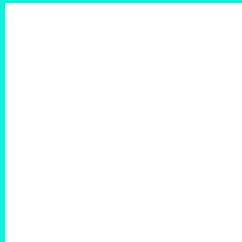
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0219, 0.2342, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 68.0219, 0.2342, 0.3606.

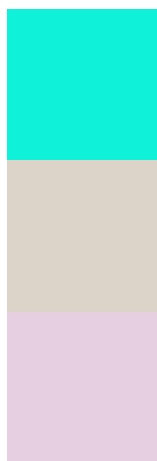


This preview shows how white text looks on a background with the Yxy color 68.0219, 0.2342, 0.3606.

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

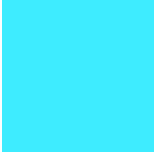
68.0219, 0.2342, 0.3606

Protanopia

66.5197, 0.3264, 0.3414

Deuteranopia

66.6655, 0.3173, 0.3107



Tritanopia

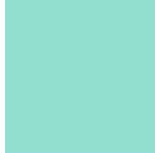
68.2350, 0.2239, 0.3054

Trichromacy



Original Color

68.0219, 0.2342, 0.3606



Protanomaly

63.3913, 0.2727, 0.3492



Deuteranomaly

62.4628, 0.2673, 0.3264



Tritanomaly

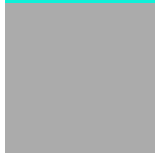
68.0578, 0.2270, 0.3249

Monochromacy



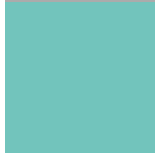
Original Color

68.0219, 0.2342, 0.3606



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.6881, 0.2607, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0219, 0.2342, 0.3606 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, 241, 217)` looks like.

```
.text, #text, p{  
    color:rgb(15, 241, 217)  
}
```

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, 241, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 241, 217) }
```

Border

The CSS property to change the border of an element to Yxy 68.0219, 0.2342, 0.3606 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, 241, 217) }
```

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

```
.border{ border-color:rgb(15, 241, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 241, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 241, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 241, 217);  
box-shadow:4px 4px 4px 4px rgb(15, 241,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0219, 0.2342, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 241, 217) }
```

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

```
.background{ background-color: rgb(15, 241,  
217) }
```

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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