

Converting Colors

$Yxy(67.1846, 0.2325, 0.3333)$

Have a look what the booklet for
Yxy(67.1846, 0.2325, 0.3333)
contains.

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Color

Yxy(66.9309, 0.2323, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	3FCE9
RGB	63, 236, 233
RGB Percent	25%, 93%, 91%
CMY	0.7536, 0.0745, 0.0862
CMYK	0.73, 0.00, 0.01, 0.07
HSL	179°, 82%, 59%
HSV	179°, 73%, 93%
XYZ	46.7470, 66.9309, 87.5575
YIQ	183.9310, -102.1450, -37.6090

Conversions

Conversions Part 2

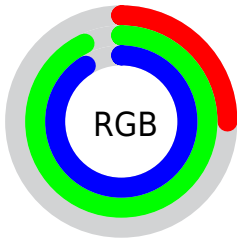
Format	Color
RYB	63, 150, 236
Decimal	4189417
CIELab	85.47, -42.69, -11.04
CIElCh	85, 44.093, 194.496
Yxy	66.9309, 0.2323, 0.3326
Android (android.graphics.Color)	4282379497 (0xFF3FECE9)
YUV	183.9310, 24.1910, -106.0565
Hunter-Lab	81.8113, -41.1749, -6.1865

Details

The Yxy color **66.9309, 0.2323, 0.3326** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.7636, 0.5618, 0.3274**, and the grayscale version is **47.7758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **35.4145, 0.2256, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **66.2946, 0.2286, 0.3332**, and if you desaturate by 10%, it is **67.9047, 0.2379, 0.3320**.

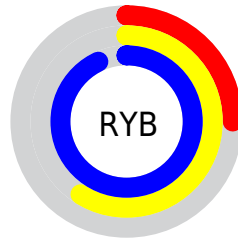
Distribution



Red (25%)

Green (93%)

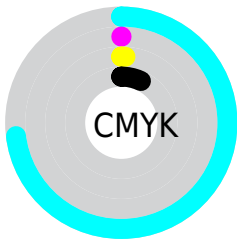
Blue (91%)



Red (25%)

Yellow (59%)

Blue (93%)

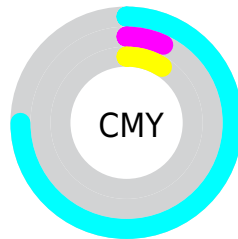


Cyan (73%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (75%)


Magenta (7%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9309, 0.2323, 0.3326 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 66.9309, 0.2323, 0.3326 by changing the saturation by 10% instead.

 66.9309, 0.2323,
0.3326

 66.9309, 0.2323,
0.3326

449.6988, 0.2691,
0.3320

 49.0285, 0.2241,
0.3325

 114.8214, 0.2449,
0.3326

 34.6421, 0.2140,
0.3322


 145.5782, 0.2499,
0.3325

 23.3873, 0.2014,
0.3316

 181.3887, 0.2542,
0.3325

 14.8797, 0.1854,
0.3304

 222.6372, 0.2579,
0.3324

 8.7350, 0.1642,
0.3281

269.7080, 0.2612,
0.3323

 4.5688, 0.1355,
0.3232

322.9856, 0.2641,

 1.9965, 0.0919,

0.3322

382.8544, 0.2667,
0.3321

0.3134

0.6055, 0.0000,
0.2862

0.0000, 0.0000,
0.0000

66.9309, 0.2323,
0.3326

66.9309, 0.2323,
0.3326

66.2946, 0.2286,
0.3332

67.9047, 0.2379,
0.3320

65.9424, 0.2267,
0.3337


69.2464, 0.2454,
0.3315


65.8200, 0.2261,
0.3341

70.9913, 0.2548,
0.3310


73.1684, 0.2660,
0.3305

 75.8044, 0.2787,
0.3300

 78.9235, 0.2926,
0.3295

 82.5485, 0.3075,
0.3291

 86.7004, 0.3231,
0.3288

 87.3541, 0.3251,
0.3284

Harmonies

Analogous

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



66.9309, 0.2708, 0.3872



66.9309, 0.2323, 0.3326



66.9309, 0.2150, 0.2830

Triad

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



66.9309, 0.2323, 0.3326



66.9309, 0.2950, 0.2529



66.9309, 0.4114, 0.3997

Complementary

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



66.9309, 0.2323, 0.3326



21.7636, 0.5618, 0.3274

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.



66.9309, 0.4213, 0.3599



66.9309, 0.2323, 0.3326



66.9309, 0.3507, 0.2794

Square

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



66.9309, 0.2323, 0.3326



66.9309, 0.2486, 0.2427



66.9309, 0.3987, 0.3172



66.9309, 0.3745, 0.4254

Rectangle

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



66.9309, 0.2323, 0.3326



66.9309, 0.2163, 0.2600



66.9309, 0.3987, 0.3172



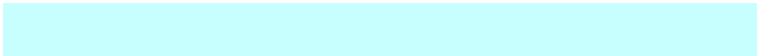
66.9309, 0.4182, 0.3873

Sweetspot

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



66.9334, 0.2323, 0.3326



90.8061, 0.2804, 0.3299



61.6059, 0.3036, 0.5614



19.2368, 0.2768, 0.3300



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.



66.9334, 0.2323, 0.3326



78.7777, 0.2275, 0.3334



30.6171, 0.2019, 0.2137



17.1171, 0.2984, 0.3294



36.2792, 0.2261, 0.3340



2.8502, 0.2259, 0.3332

Inverse Universe

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



21.7636, 0.5618, 0.3274



22.3375, 0.6179, 0.3285



38.0337, 0.4879, 0.4087



15.0583, 0.3290, 0.3286



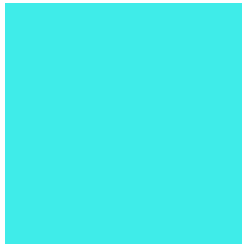
9.8367, 0.6382, 0.3289



0.7739, 0.6331, 0.3261

Previews

White Background



This preview shows how the Yxy color 66.9309, 0.2323, 0.3326 looks on a white background.

Color Contrast Check

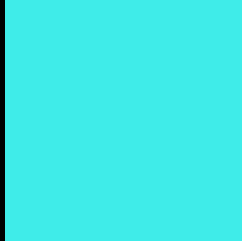
Large Text (above 18pt) WCAG AA × Fail

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 66.9309, 0.2323, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

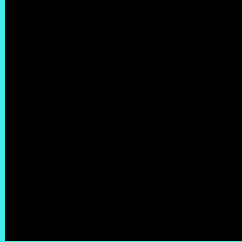
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9309, 0.2323, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 66.9309, 0.2323, 0.3326.

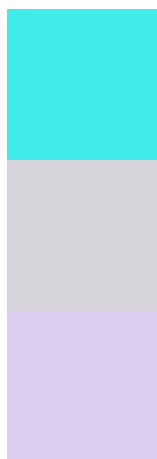


This preview shows how white text looks on a background with the Yxy color 66.9309, 0.2323, 0.3326.

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

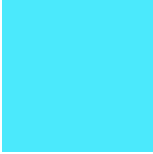
66.9309, 0.2323, 0.3326

Protanopia

65.9466, 0.3101, 0.3212

Deuteranopia

65.4940, 0.2991, 0.2923



Tritanopia

66.8020, 0.2268, 0.3053

Trichromacy



Original Color

66.9309, 0.2323, 0.3326



Protanomaly

63.8850, 0.2709, 0.3252



Deuteranomaly

63.4215, 0.2646, 0.3051



Tritanomaly

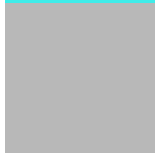
66.7778, 0.2288, 0.3150

Monochromacy



Original Color

66.9309, 0.2323, 0.3326



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.5516, 0.2691, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9309, 0.2323, 0.3326 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(63, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(63, 236, 233)  
}
```

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(63, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 66.9309, 0.2323, 0.3326 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(63, 236, 233) }
```

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

```
.border{ border-color:rgb(63, 236, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(63, 236,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9309, 0.2323, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 236, 233) }
```

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

```
.background{ background-color: rgb(63, 236,  
233) }
```

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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