

Converting Colors

Yxy(68.4452, 0.2454, 0.3182)

Have a look what the booklet for
Yxy(68.4452, 0.2454, 0.3182)
contains.

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Color

Yxy(68.6936, 0.2457, 0.3191)

Conversions

Conversions Part 1

Format	Color
Hex	79E9F1
RGB	121, 233, 241
RGB Percent	47%, 91%, 95%
CMY	0.5258, 0.0862, 0.0549
CMYK	0.50, 0.03, 0.00, 0.05
HSL	184°, 81%, 71%
HSV	184°, 50%, 95%
XYZ	52.8926, 68.6936, 93.6868
YIQ	200.4240, -69.3200, -21.2560

Conversions

Conversions Part 2

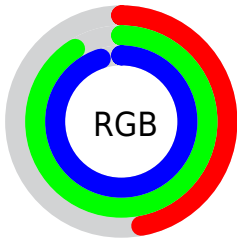
Format	Color
R _Y B	121, 179, 241
Decimal	7989745
CIE Lab	86.35, -29.91, -13.76
CIE LCh	86, 32.920, 204.701
Yxy	68.6936, 0.2457, 0.3191
Android (android.graphics.Color)	4286179825 (0xFF79E9F1)
YUV	200.4240, 20.0040, -69.6548
Hunter-Lab	82.8816, -31.1294, -9.0025

Details

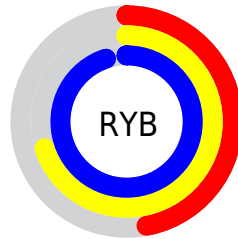
The Yxy color **68.6936, 0.2457, 0.3191** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.7558, 0.4496, 0.3380**, and the grayscale version is **57.9307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **35.7878, 0.2304, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **66.2653, 0.2366, 0.3168**, and if you desaturate by 10%, it is **71.5701, 0.2566, 0.3213**.

Distribution



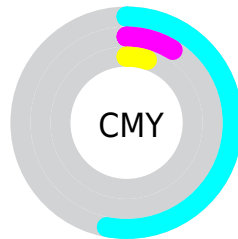
- Red (47%)
- Green (91%)
- Blue (95%)



- Red (47%)
- Yellow (70%)
- Blue (95%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)




- Cyan (53%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6936, 0.2457, 0.3191 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 68.6936, 0.2457, 0.3191 by changing the saturation by 10% instead.

 68.6936, 0.2457,
0.3191


 68.6936, 0.2457,
0.3191


455.9496, 0.2763,
0.3245


 50.4622, 0.2389,
0.3177


 117.3438, 0.2562,
0.3212

 35.7808, 0.2305,
0.3158


 148.5315, 0.2603,
0.3219

 24.2650, 0.2200,
0.3132


 184.8067, 0.2639,
0.3225

 15.5303, 0.2066,
0.3096

226.5538, 0.2670,
0.3231

 9.1924, 0.1888,
0.3042

274.1573, 0.2697,
0.3235

 4.8669, 0.1643,
0.2956

328.0014, 0.2722,

 2.1694, 0.1290,

0.3239

0.2801

388.4707, 0.2743,
0.3242

0.7032, 0.0000,
0.2654

0.0000, 0.0000,
0.0000

68.6936, 0.2457,
0.3191

68.6936, 0.2457,
0.3191

66.2653, 0.2366,
0.3168

71.5701, 0.2566,
0.3213

64.2443, 0.2294,
0.3146


74.9166, 0.2691,
0.3234

62.5955, 0.2241,
0.3123


78.7628, 0.2828,
0.3254


61.2739, 0.2207,
0.3100

83.1335, 0.2976,
0.3273


 60.2055, 0.2189,
0.3078


 88.0521, 0.3130,
0.3290

 60.1873, 0.2188,
0.3078

 91.4892, 0.3218,
0.3306

 92.4504, 0.3217,
0.3322

 93.4201, 0.3216,
0.3337

 94.3981, 0.3214,
0.3352

Harmonies

Analogous

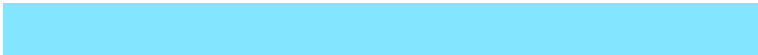
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6936, 0.2705, 0.3587



68.6936, 0.2457, 0.3191



68.6936, 0.2380, 0.2858

Triad

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



68.6936, 0.2457, 0.3191



68.6936, 0.3139, 0.2766



68.6936, 0.3793, 0.3909

Complementary

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



68.6936, 0.2457, 0.3191



35.7558, 0.4496, 0.3380

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.



68.6936, 0.3934, 0.3647



68.6936, 0.2457, 0.3191



68.6936, 0.3545, 0.3008

Square

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



68.6936, 0.2457, 0.3191



68.6936, 0.2754, 0.2643



68.6936, 0.3844, 0.3321



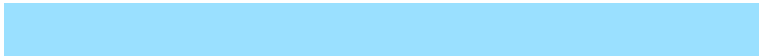
68.6936, 0.3474, 0.4019

Rectangle

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



68.6936, 0.2457, 0.3191



68.6936, 0.2431, 0.2714



68.6936, 0.3844, 0.3321



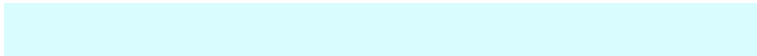
68.6936, 0.3864, 0.3834

Sweetspot

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



68.6962, 0.2457, 0.3191



91.8416, 0.2898, 0.3263



68.4989, 0.3025, 0.4802



19.4366, 0.2867, 0.3259



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.



68.6962, 0.2457, 0.3191



75.2456, 0.2363, 0.3168



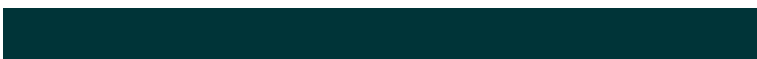
41.0543, 0.2309, 0.2426



17.7384, 0.2981, 0.3274



32.7187, 0.2189, 0.3081



2.7757, 0.2197, 0.3111

Inverse Universe

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



38.2414, 0.3257, 0.2155



37.3448, 0.3287, 0.1966



55.6050, 0.4140, 0.4004



16.0122, 0.3148, 0.3073



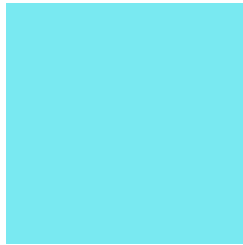
13.0963, 0.3383, 0.1637



1.0949, 0.3358, 0.1623

Previews

White Background



This preview shows how the Yxy color 68.6936, 0.2457, 0.3191 looks on a white background.

Color Contrast Check

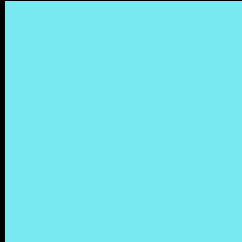
Large Text (above 18pt) WCAG AA × Fail

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 68.6936, 0.2457, 0.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

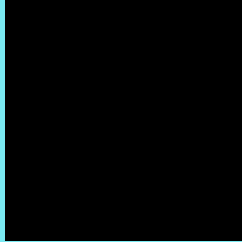
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6936, 0.2457, 0.3191

Background



This preview shows how black text looks on a background with the Yxy color 68.6936, 0.2457, 0.3191.

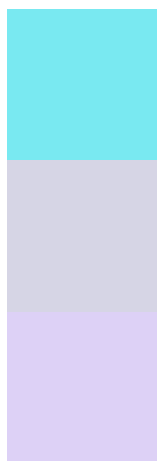


This preview shows how white text looks on a background with the Yxy color 68.6936, 0.2457, 0.3191.

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

68.6936, 0.2457, 0.3191

Protanopia

67.5418, 0.3027, 0.3114

Deuteranopia

67.6269, 0.2966, 0.2897



Tritanopia

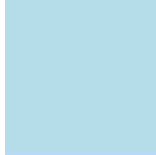
68.9004, 0.2428, 0.3073

Trichromacy



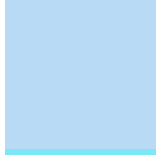
Original Color

68.6936, 0.2457, 0.3191



Protanomaly

66.7729, 0.2779, 0.3138



Deuteranomaly

66.9887, 0.2745, 0.2995



Tritanomaly

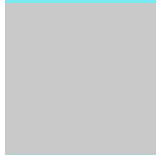
68.6396, 0.2437, 0.3108

Monochromacy



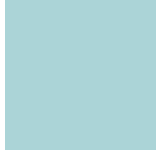
Original Color

68.6936, 0.2457, 0.3191



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.6512, 0.2821, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6936, 0.2457, 0.3191 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(121, 233, 241)` looks like.

```
.text, #text, p{  
    color:rgb(121, 233, 241)  
}
```

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(121, 233, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 233, 241) }
```

Border

The CSS property to change the border of an element to Yxy 68.6936, 0.2457, 0.3191 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(121, 233, 241) }
```

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

```
.border{ border-color:rgb(121, 233, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 233, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 233, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 233, 241);  
box-shadow:4px 4px 4px 4px rgb(121, 233,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6936, 0.2457, 0.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 233, 241) }
```

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

```
.background{ background-color: rgb(121,  
233, 241) }
```

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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