

Converting Colors

$Yxy(74.6933, 0.2163, 0.2576)$

Have a look what the booklet for
Yxy(74.6933, 0.2163, 0.2576)
contains.

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Color

Yxy(71.0217, 0.2335, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	63EEFF
RGB	99, 238, 255
RGB Percent	39%, 93%, 100%
CMY	0.6117, 0.0667, 0.0000
CMYK	0.61, 0.07, 0.00, 0.00
HSL	187°, 100%, 69%
HSV	187°, 61%, 100%
XYZ	53.7729, 71.0217, 105.4962
YIQ	198.3770, -88.3010, -24.1810

Conversions

Conversions Part 2

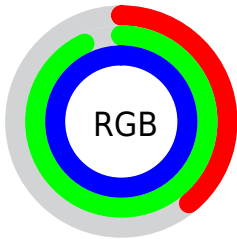
Format	Color
R _Y B	99, 173, 255
Decimal	6549247
CIE Lab	87.50, -32.57, -19.46
CIE LCh	87, 37.940, 210.865
Yxy	71.0217, 0.2335, 0.3084
Android (android.graphics.Color)	4284739327 (0xFF63EEFF)
YUV	198.3770, 27.9151, -87.1536
Hunter-Lab	84.2744, -33.5847, -15.2283

Details

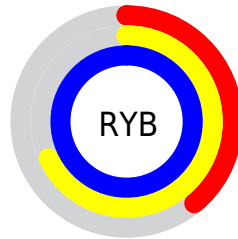
The Yxy color **71.0217, 0.2335, 0.3084** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.6555, 0.4961, 0.3456**, and the grayscale version is **56.5834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **68.2006, 0.2260, 0.3046**, and if you desaturate by 10%, it is **74.3240, 0.2429, 0.3122**.

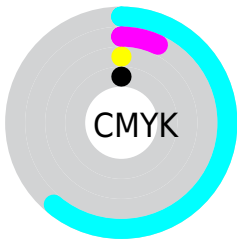
Distribution



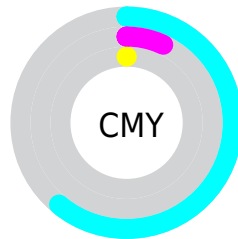
- Red (39%)
- Green (93%)
- Blue (100%)



- Red (39%)
- Yellow (68%)
- Blue (100%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0217, 0.2335, 0.3084 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 71.0217, 0.2335, 0.3084 by changing the saturation by 10% instead.


 71.0217, 0.2335,
0.3084

 71.0217, 0.2335,
0.3084

464.1293, 0.2691,
0.3191


 52.3599, 0.2257,
0.3057


 120.6646, 0.2456,
0.3123

 37.2920, 0.2162,
0.3023


 152.4145, 0.2504,
0.3138

 25.4337, 0.2044,
0.2978


 189.2960, 0.2545,
0.3150

 16.4005, 0.1895,
0.2916

231.6933, 0.2582,
0.3160

 9.8080, 0.1702,
0.2828

279.9909, 0.2614,
0.3170

 5.2718, 0.1445,
0.2694

334.5731, 0.2642,

 2.4076, 0.1092,

0.3178

395.8245, 0.2668,
0.3184

0.2473

0.8298, 0.0000,
0.2204

0.0000, 0.0000,
0.0000

71.0217, 0.2335,
0.3084

71.0217, 0.2335,
0.3084

68.2006, 0.2260,
0.3046

74.3240, 0.2429,
0.3122

65.8117, 0.2205,
0.3007

78.1418, 0.2541,
0.3159

63.8033, 0.2169,
0.2969

82.5111, 0.2667,
0.3194

62.2732, 0.2149,
0.2936

87.4634, 0.2806,
0.3227

93.0278, 0.2955,
0.3258

99.2312, 0.3109,
0.3287

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



71.0217, 0.2575, 0.3537



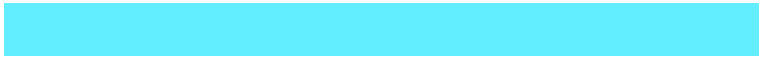
71.0217, 0.2335, 0.3084



71.0217, 0.2292, 0.2738

Triad

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



71.0217, 0.2335, 0.3084



71.0217, 0.3236, 0.2746



71.0217, 0.3820, 0.4035

Complementary

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



71.0217, 0.2335, 0.3084



34.6555, 0.4961, 0.3456

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.



71.0217, 0.4034, 0.3757



71.0217, 0.2335, 0.3084



71.0217, 0.3688, 0.3037

Square

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



71.0217, 0.2335, 0.3084



71.0217, 0.2784, 0.2577



71.0217, 0.3988, 0.3397



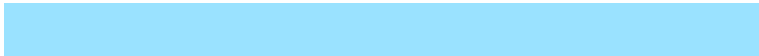
71.0217, 0.3427, 0.4122

Rectangle

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



71.0217, 0.2335, 0.3084



71.0217, 0.2376, 0.2603



71.0217, 0.3988, 0.3397



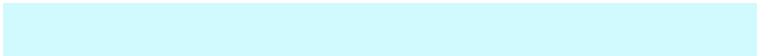
71.0217, 0.3916, 0.3958

Sweetspot

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



71.0232, 0.2335, 0.3084



89.1598, 0.2853, 0.3238



75.4025, 0.2977, 0.5104



18.7501, 0.2810, 0.3228



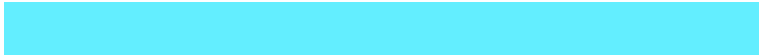
0.0000, 0.0000, 0.0000



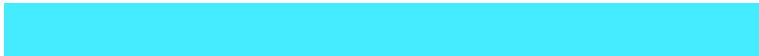
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0232, 0.2335, 0.3084



67.7324, 0.2249, 0.3039



35.5068, 0.2105, 0.2075



20.1233, 0.2980, 0.3263



32.6751, 0.2151, 0.2943



3.2741, 0.2163, 0.2986

Inverse Universe

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



36.3599, 0.3356, 0.1996



31.4794, 0.3407, 0.1839



60.1274, 0.4377, 0.4213



18.2643, 0.3155, 0.3081



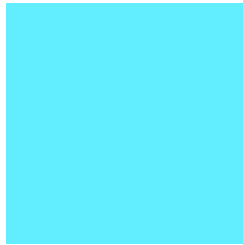
14.0265, 0.3505, 0.1705



1.3751, 0.3467, 0.1683

Previews

White Background



This preview shows how the Yxy color 71.0217, 0.2335, 0.3084 looks on a white background.

Color Contrast Check

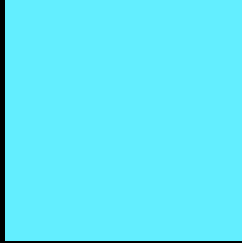
Large Text (above 18pt) WCAG AA × Fail

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 71.0217, 0.2335, 0.3084 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 71.0217, 0.2335, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 71.0217, 0.2335, 0.3084.

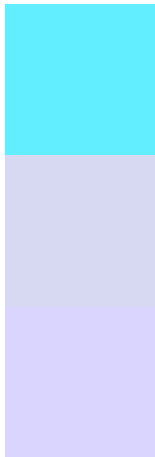


This preview shows how white text looks on a background with the Yxy color 71.0217, 0.2335, 0.3084.

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

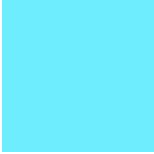
71.0217, 0.2335, 0.3084

Protanopia

69.9097, 0.2957, 0.3020

Deuteranopia

69.7139, 0.2890, 0.2848



Tritanopia

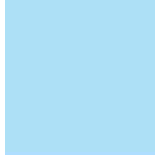
71.1034, 0.2368, 0.3074

Trichromacy



Original Color

71.0217, 0.2335, 0.3084



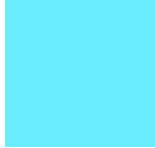
Protanomaly

68.8494, 0.2670, 0.3038



Deuteranomaly

68.5765, 0.2632, 0.2918



Tritanomaly

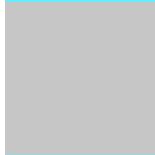
70.8525, 0.2354, 0.3073

Monochromacy



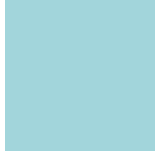
Original Color

71.0217, 0.2335, 0.3084



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.3844, 0.2741, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0217, 0.2335, 0.3084 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(99, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 238, 255)  
}
```

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(99, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.0217, 0.2335, 0.3084 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(99, 238, 255) }
```

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

```
.border{ border-color:rgb(99, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0217, 0.2335, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 238, 255) }
```

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

```
.background{ background-color: rgb(99, 238,  
255) }
```

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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