

Converting Colors

$Y_{xy}(69.8217, 0.2270, 0.3140)$

Have a look what the booklet for
Yxy(69.8217, 0.2270, 0.3140)
contains.

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Color

Yxy(69.8219, 0.2269, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	41EFFB
RGB	65, 239, 251
RGB Percent	25%, 94%, 98%
CMY	0.7455, 0.0627, 0.0157
CMYK	0.74, 0.05, 0.00, 0.02
HSL	184°, 96%, 62%
HSV	184°, 74%, 98%
XYZ	50.4541, 69.8219, 102.0867
YIQ	188.3420, -107.5560, -33.1560

Conversions

Conversions Part 2

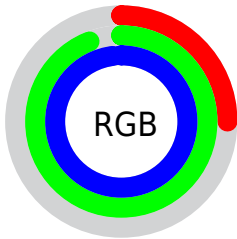
Format	Color
RYB	65, 155, 251
Decimal	4321275
CIELab	86.91, -38.73, -18.32
CIElCh	87, 42.844, 205.314
Yxy	69.8219, 0.2269, 0.3140
Android (android.graphics.Color)	4282511355 (0xFF41E9FB)
YUV	188.3420, 30.8904, -108.1709
Hunter-Lab	83.5595, -38.4489, -13.9444

Details

The Yxy color **69.8219, 0.2269, 0.3140** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.1844, 0.5611, 0.3386**, and the grayscale version is **50.3471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **37.3509, 0.2193, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **68.2080, 0.2225, 0.3118**, and if you desaturate by 10%, it is **71.8295, 0.2332, 0.3162**.

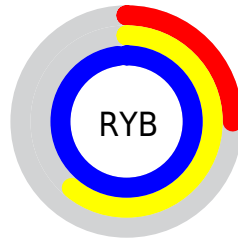
Distribution



Red (25%)

Green (94%)

Blue (98%)



Red (25%)

Yellow (61%)

Blue (98%)

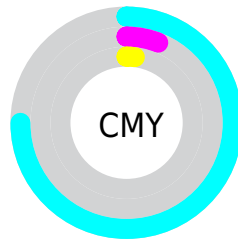


Cyan (74%)

Magenta (5%)

Yellow (0%)

Black (2%)



Cyan (75%)


Magenta (6%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8219, 0.2269, 0.3140 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 69.8219, 0.2269, 0.3140 by changing the saturation by 10% instead.


 69.8219, 0.2269,
0.3140

 69.8219, 0.2269,
0.3140

459.9244, 0.2655,
0.3223


 51.3814, 0.2184,
0.3118


 118.9547, 0.2400,
0.3171

 36.5122, 0.2081,
0.3089


 150.4158, 0.2452,
0.3183

 24.8300, 0.1954,
0.3050


 186.9859, 0.2497,
0.3192

 15.9505, 0.1794,
0.2996

 229.0493, 0.2537,
0.3201

 9.4891, 0.1586,
0.2916

276.9904, 0.2571,
0.3207

 5.0616, 0.1310,
0.2790

331.1938, 0.2602,

 2.2834, 0.0940,

0.3213

0.2574

392.0436, 0.2630,
0.3219

0.7649, 0.0000,
0.2253

0.0000, 0.0000,
0.0000

69.8219, 0.2269,
0.3140

69.8219, 0.2269,
0.3140

68.2080, 0.2225,
0.3118

71.8295, 0.2332,
0.3162


66.9252, 0.2199,
0.3096

74.2676, 0.2415,
0.3184


66.2825, 0.2190,
0.3084


77.1777, 0.2516,
0.3206

80.5937, 0.2634,
0.3227

 84.5468, 0.2767,
0.3247

 89.0656, 0.2911,
0.3266

 94.1763, 0.3063,
0.3283

 97.8159, 0.3152,
0.3299

 98.8362, 0.3151,
0.3315

Harmonies

Analogous

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



69.8219, 0.2572, 0.3667



69.8219, 0.2269, 0.3140



69.8219, 0.2182, 0.2720

Triad

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



69.8219, 0.2269, 0.3140



69.8219, 0.3148, 0.2633



69.8219, 0.3972, 0.4082

Complementary

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



69.8219, 0.2269, 0.3140



26.1844, 0.5611, 0.3386

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.



69.8219, 0.4170, 0.3736



69.8219, 0.2269, 0.3140



69.8219, 0.3676, 0.2935

Square

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



69.8219, 0.2269, 0.3140



69.8219, 0.2655, 0.2474



69.8219, 0.4063, 0.3326



69.8219, 0.3552, 0.4242

Rectangle

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



69.8219, 0.2269, 0.3140



69.8219, 0.2247, 0.2547



69.8219, 0.4063, 0.3326



69.8219, 0.4068, 0.3981

Sweetspot

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



69.8245, 0.2269, 0.3140



88.5831, 0.2796, 0.3251



70.6148, 0.2993, 0.5574



18.7030, 0.2759, 0.3246



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.



69.8245, 0.2269, 0.3140



70.0072, 0.2210, 0.3107



29.4702, 0.1952, 0.1900



19.4056, 0.2980, 0.3274



34.9231, 0.2191, 0.3087



3.2907, 0.2198, 0.3113

Inverse Universe

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



30.5123, 0.3323, 0.1771



28.4063, 0.3358, 0.1661



48.6233, 0.4760, 0.4238



17.5041, 0.3148, 0.3071



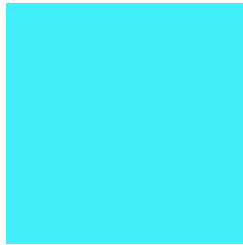
13.9364, 0.3378, 0.1635



1.2964, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 69.8219, 0.2269, 0.3140 looks on a white background.

Color Contrast Check

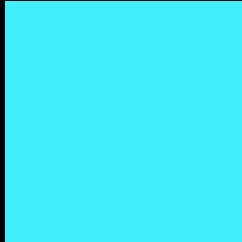
Large Text (above 18pt) WCAG AA × Fail

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 69.8219, 0.2269, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

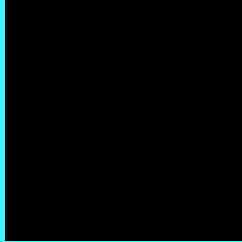
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8219, 0.2269, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 69.8219, 0.2269, 0.3140.

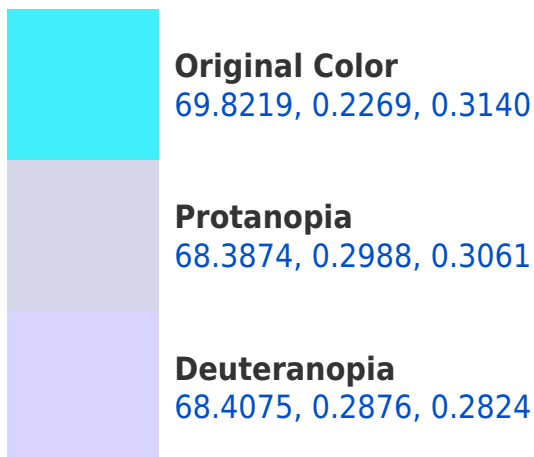


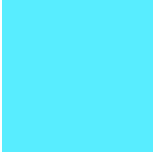
This preview shows how white text looks on a background with the Yxy color 69.8219, 0.2269, 0.3140.

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

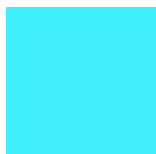




Tritanopia

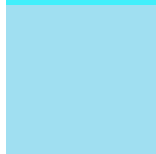
69.8631, 0.2301, 0.3070

Trichromacy



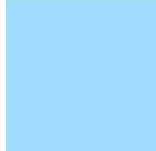
Original Color

69.8219, 0.2269, 0.3140



Protanomaly

66.5998, 0.2622, 0.3077



Deuteranomaly

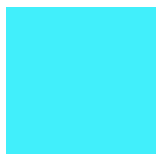
66.4457, 0.2559, 0.2909



Tritanomaly

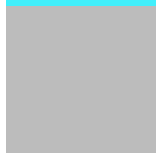
70.0103, 0.2287, 0.3093

Monochromacy



Original Color

69.8219, 0.2269, 0.3140



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.1684, 0.2663, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8219, 0.2269, 0.3140 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(65, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(65, 239, 251)  
}
```

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(65, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 239, 251) }
```

Border

The CSS property to change the border of an element to Yxy 69.8219, 0.2269, 0.3140 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(65, 239, 251) }
```

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

```
.border{ border-color:rgb(65, 239, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 239, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 239, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 239, 251);  
box-shadow:4px 4px 4px 4px rgb(65, 239,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8219, 0.2269, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 239, 251) }
```

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

```
.background{ background-color: rgb(65, 239,  
251) }
```

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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