

Converting Colors

$Yxy(67.6795, 0.2361, 0.3069)$

Have a look what the booklet for
Yxy(67.6795, 0.2361, 0.3069)
contains.

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Color

Yxy(67.6795, 0.2361, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	6AE8FA
RGB	106, 232, 250
RGB Percent	42%, 91%, 98%
CMY	0.5839, 0.0902, 0.0195
CMYK	0.58, 0.07, 0.00, 0.02
HSL	188°, 94%, 70%
HSV	188°, 58%, 98%
XYZ	52.0662, 67.6795, 100.7805
YIQ	196.3780, -80.8740, -21.1140

Conversions

Conversions Part 2

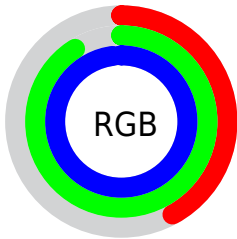
Format	Color
RYB	106, 173, 250
Decimal	7006458
CIELab	85.85, -29.88, -19.31
CIElCh	86, 35.578, 212.879
Yxy	67.6795, 0.2361, 0.3069
Android (android.graphics.Color)	4285196538 (0xFF6AE8FA)
YUV	196.3780, 26.4356, -79.2615
Hunter-Lab	82.2676, -30.9975, -15.0449

Details

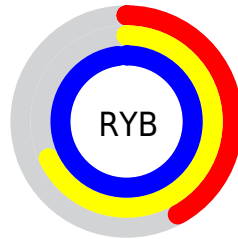
The Yxy color **67.6795, 0.2361, 0.3069** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.8180, 0.4780, 0.3475**, and the grayscale version is **55.3310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **35.1399, 0.2187, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **64.6177, 0.2277, 0.3025**, and if you desaturate by 10%, it is **71.2243, 0.2464, 0.3112**.

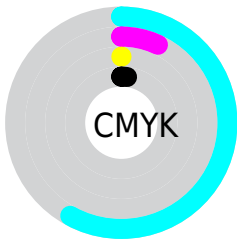
Distribution



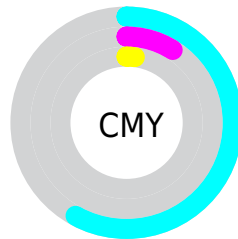
- Red (42%)
- Green (91%)
- Blue (98%)



- Red (42%)
- Yellow (68%)
- Blue (98%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)





- Cyan (58%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6795, 0.2361, 0.3069 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 67.6795, 0.2361, 0.3069 by changing the saturation by 10% instead.


 67.6795, 0.2361,
0.3069


 67.6795, 0.2361,
0.3069


452.3596, 0.2709,
0.3183

 49.6370, 0.2284,
0.3041


 115.8935, 0.2480,
0.3111

 35.1251, 0.2190,
0.3004


 146.8339, 0.2527,
0.3126

 23.7592, 0.2072,
0.2956


 182.8423, 0.2567,
0.3139

 15.1551, 0.1923,
0.2891

224.3032, 0.2603,
0.3150

 8.9283, 0.1728,
0.2796

271.6010, 0.2634,
0.3160

 4.6945, 0.1464,
0.2652

325.1201, 0.2662,

 2.0691, 0.1098,

0.3169

385.2448, 0.2687,
0.3176

0.2413

0.6472, 0.0000,
0.2045

0.0000, 0.0000,
0.0000

67.6795, 0.2361,
0.3069

67.6795, 0.2361,
0.3069

64.6177, 0.2277,
0.3025

71.2243, 0.2464,
0.3112

61.9911, 0.2212,
0.2980

75.2800, 0.2583,
0.3154

59.7550, 0.2167,
0.2936

79.8808, 0.2715,
0.3194

57.8472, 0.2139,
0.2892

85.0559, 0.2859,
0.3231

■ 57.4100, 0.2134,
0.2882

■ 90.8324, 0.3010,
0.3266

■ 97.0247, 0.3158,
0.3297

■ 98.9959, 0.3156,
0.3327

■ 99.6837, 0.3156,
0.3337

Harmonies

Analogous

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



67.6795, 0.2580, 0.3496



67.6795, 0.2361, 0.3069



67.6795, 0.2333, 0.2748

Triad

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



67.6795, 0.2361, 0.3069



67.6795, 0.3262, 0.2785



67.6795, 0.3768, 0.4014

Complementary

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



67.6795, 0.2361, 0.3069



35.8180, 0.4780, 0.3475

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.



67.6795, 0.3985, 0.3760



67.6795, 0.2361, 0.3069



67.6795, 0.3686, 0.3071

Square

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



67.6795, 0.2361, 0.3069



67.6795, 0.2827, 0.2614



67.6795, 0.3958, 0.3418



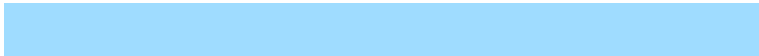
67.6795, 0.3386, 0.4077

Rectangle

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



67.6795, 0.2361, 0.3069



67.6795, 0.2421, 0.2626



67.6795, 0.3958, 0.3418



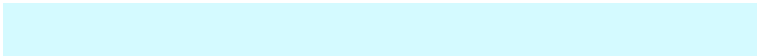
67.6795, 0.3864, 0.3945

Sweetspot

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



67.6820, 0.2361, 0.3069



89.2686, 0.2867, 0.3233



72.8834, 0.2973, 0.4956



18.8621, 0.2837, 0.3226



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.



67.6820, 0.2361, 0.3069



67.1372, 0.2266, 0.3018



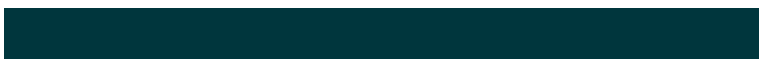
35.5567, 0.2156, 0.2129



19.2156, 0.2980, 0.3259



30.5924, 0.2136, 0.2889



2.9341, 0.2150, 0.2941

Inverse Universe

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



36.4815, 0.3363, 0.2074



32.7398, 0.3420, 0.1906



60.3344, 0.4275, 0.4192



17.4849, 0.3157, 0.3085



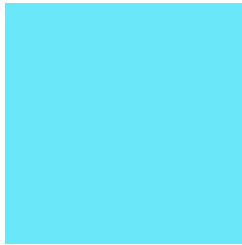
13.4992, 0.3553, 0.1731



1.2604, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 67.6795, 0.2361, 0.3069 looks on a white background.

Color Contrast Check

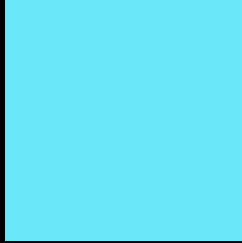
Large Text (above 18pt) WCAG AA × Fail

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 67.6795, 0.2361, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

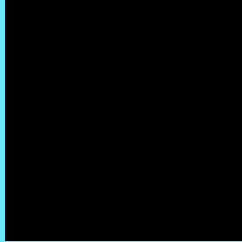
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6795, 0.2361, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 67.6795, 0.2361, 0.3069.

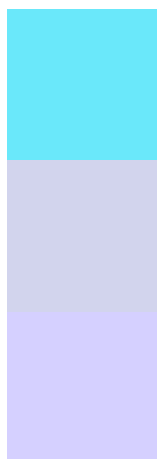


This preview shows how white text looks on a background with the Yxy color 67.6795, 0.2361, 0.3069.

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

67.6795, 0.2361, 0.3069

Protanopia

66.9030, 0.2948, 0.3015

Deuteranopia

66.4779, 0.2855, 0.2789



Tritanopia

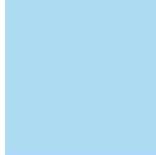
67.7424, 0.2357, 0.3058

Trichromacy



Original Color

67.6795, 0.2361, 0.3069



Protanomaly

65.8445, 0.2679, 0.3022



Deuteranomaly

65.7162, 0.2630, 0.2880



Tritanomaly

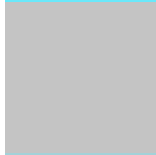
67.7424, 0.2357, 0.3058

Monochromacy



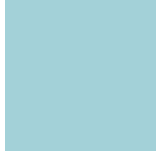
Original Color

67.6795, 0.2361, 0.3069



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.3453, 0.2760, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6795, 0.2361, 0.3069 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(106, 232, 250)` looks like.

```
.text, #text, p{  
    color:rgb(106, 232, 250)  
}
```

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(106, 232, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 232, 250) }
```

Border

The CSS property to change the border of an element to Yxy 67.6795, 0.2361, 0.3069 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(106, 232, 250) }
```

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

```
.border{ border-color:rgb(106, 232, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 232, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 232, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 232, 250);  
box-shadow:4px 4px 4px 4px rgb(106, 232,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6795, 0.2361, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 232, 250) }
```

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

```
.background{ background-color: rgb(106,  
232, 250) }
```

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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