

Converting Colors

$Yxy(72.3736, 0.2369, 0.3102)$

Have a look what the booklet for
Yxy(72.3736, 0.2369, 0.3102)
contains.

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Color

Yxy(72.2042, 0.2369, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	6DEFFF
RGB	109, 239, 255
RGB Percent	43%, 94%, 100%
CMY	0.5730, 0.0627, 0.0000
CMYK	0.57, 0.06, 0.00, 0.00
HSL	187°, 100%, 71%
HSV	187°, 57%, 100%
XYZ	55.2136, 72.2042, 105.6493
YIQ	201.9540, -82.6160, -22.5840

Conversions

Conversions Part 2

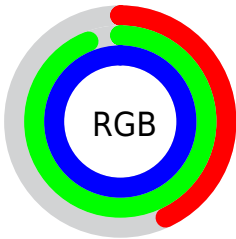
Format	Color
RYB	109, 178, 255
Decimal	7204863
CIELab	88.07, -31.37, -18.57
CIELCh	88, 36.456, 210.632
Yxy	72.2042, 0.2369, 0.3098
Android (android.graphics.Color)	4285394943 (0xFF6DEFFF)
YUV	201.9540, 26.1517, -81.5207
Hunter-Lab	84.9731, -32.7175, -14.2357

Details

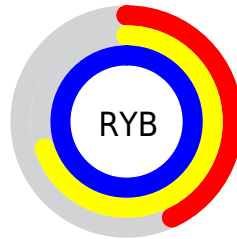
The Yxy color **72.2042, 0.2369, 0.3098** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.9938, 0.4788, 0.3452**, and the grayscale version is **58.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **38.1911, 0.2206, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **69.1975, 0.2287, 0.3060**, and if you desaturate by 10%, it is **75.7078, 0.2470, 0.3136**.

Distribution



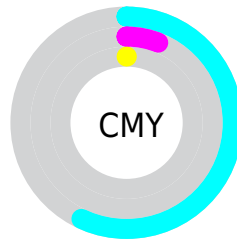
- Red (43%)
- Green (94%)
- Blue (100%)



- Red (43%)
- Yellow (70%)
- Blue (100%)



- Cyan (57%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2042, 0.2369, 0.3098 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 72.2042, 0.2369, 0.3098 by changing the saturation by 10% instead.

 72.2042, 0.2369,
0.3098


 72.2042, 0.2369,
0.3098


468.2520, 0.2709,
0.3197

 53.3255, 0.2294,
0.3073

 122.3468, 0.2485,
0.3134

 38.0627, 0.2203,
0.3042


 154.3795, 0.2531,
0.3148

 26.0313, 0.2091,
0.3000


 191.5656, 0.2570,
0.3159

 16.8471, 0.1948,
0.2943

234.2896, 0.2605,
0.3169

 10.1255, 0.1763,
0.2862

282.9359, 0.2636,
0.3177

 5.4823, 0.1515,
0.2739

337.8888, 0.2663,

 2.5329, 0.1172,

0.3185

399.5327, 0.2687,
0.3191

0.2535

0.8931, 0.0212,
0.2275

0.0000, 0.0000,
0.0000

72.2042, 0.2369,
0.3098

72.2042, 0.2369,
0.3098

69.1975, 0.2287,
0.3060

75.7078, 0.2470,
0.3136

66.6414, 0.2224,
0.3021

79.7408, 0.2588,
0.3172

64.4878, 0.2180,
0.2983

84.3380, 0.2720,
0.3207

62.6731, 0.2154,
0.2945

89.5299, 0.2863,
0.3240

■ 62.2160, 0.2149,
0.2935

■ 95.3447, 0.3014,
0.3270

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.



72.2042, 0.2602, 0.3530



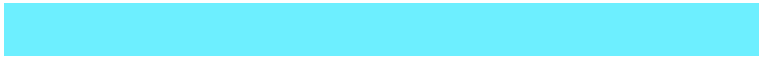
72.2042, 0.2369, 0.3098



72.2042, 0.2326, 0.2765

Triad

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



72.2042, 0.2369, 0.3098



72.2042, 0.3228, 0.2766



72.2042, 0.3793, 0.4002

Complementary

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



72.2042, 0.2369, 0.3098



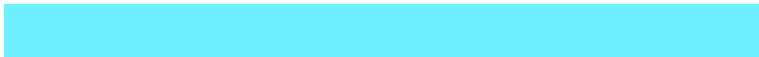
36.9938, 0.4788, 0.3452

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.



72.2042, 0.3994, 0.3738



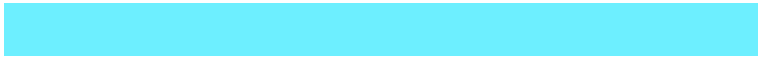
72.2042, 0.2369, 0.3098



72.2042, 0.3660, 0.3046

Square

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



72.2042, 0.2369, 0.3098



72.2042, 0.2796, 0.2605



72.2042, 0.3948, 0.3391



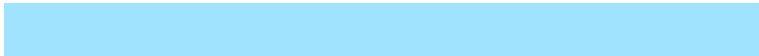
72.2042, 0.3419, 0.4083

Rectangle

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



72.2042, 0.2369, 0.3098



72.2042, 0.2405, 0.2634



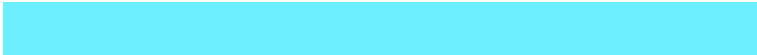
72.2042, 0.3948, 0.3391



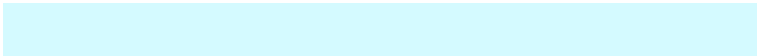
72.2042, 0.3885, 0.3929

Sweetspot

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



72.2057, 0.2369, 0.3098



89.6967, 0.2867, 0.3240



76.2058, 0.2983, 0.4979



18.9642, 0.2838, 0.3234



0.0000, 0.0000, 0.0000



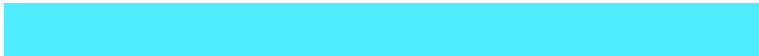
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2057, 0.2369, 0.3098



68.7331, 0.2275, 0.3053



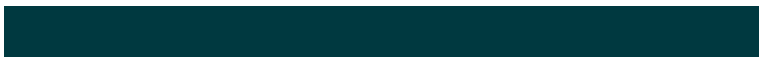
38.2207, 0.2167, 0.2167



20.1219, 0.2980, 0.3263



32.6457, 0.2150, 0.2941



3.2715, 0.2162, 0.2984

Inverse Universe

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



38.4041, 0.3340, 0.2059



32.9010, 0.3390, 0.1886



62.0904, 0.4286, 0.4167



18.2641, 0.3155, 0.3081



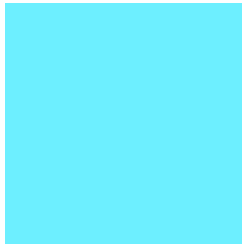
14.0236, 0.3506, 0.1705



1.3748, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 72.2042, 0.2369, 0.3098 looks on a white background.

Color Contrast Check

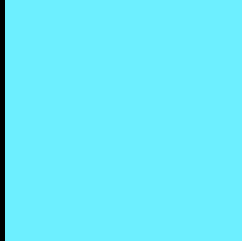
Large Text (above 18pt) WCAG AA × Fail

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 72.2042, 0.2369, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

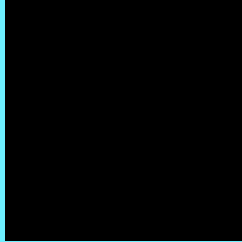
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2042, 0.2369, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 72.2042, 0.2369, 0.3098.

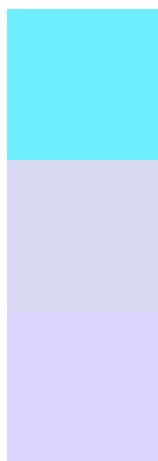


This preview shows how white text looks on a background with the Yxy color 72.2042, 0.2369, 0.3098.

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

72.2042, 0.2369, 0.3098

Protanopia

71.2454, 0.2971, 0.3043

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

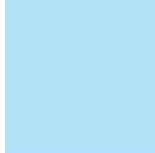
72.0735, 0.2418, 0.3077

Trichromacy



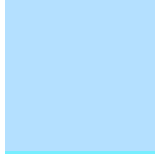
Original Color

72.2042, 0.2369, 0.3098



Protanomaly

70.5115, 0.2701, 0.3063



Deuteranomaly

70.2346, 0.2663, 0.2944



Tritanomaly

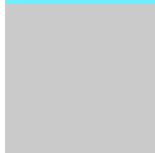
72.2910, 0.2402, 0.3088

Monochromacy



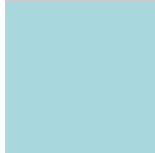
Original Color

72.2042, 0.2369, 0.3098



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.1462, 0.2769, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2042, 0.2369, 0.3098 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(109, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 239, 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(109, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.2042, 0.2369, 0.3098 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(109, 239, 255) }
```

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

```
.border{ border-color:rgb(109, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(109, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2042, 0.2369, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 239, 255) }
```

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

```
.background{ background-color: rgb(109,  
239, 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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