

Converting Colors

$Yxy(71.7209, 0.2581, 0.3093)$

Have a look what the booklet for
Yxy(71.7209, 0.2581, 0.3093)
contains.

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Color

Yxy(71.7209, 0.2581, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	9DE8F9
RGB	157, 232, 249
RGB Percent	62%, 91%, 98%
CMY	0.3846, 0.0901, 0.0235
CMYK	0.37, 0.07, 0.00, 0.02
HSL	191°, 88%, 80%
HSV	191°, 37%, 98%
XYZ	59.8486, 71.7209, 100.3119
YIQ	211.5130, -50.1570, -10.6130

Conversions

Conversions Part 2

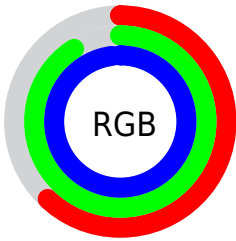
Format	Color
R _Y B	157, 198, 249
Decimal	10348793
CIE Lab	87.83, -19.00, -15.58
CIE LCh	88, 24.576, 219.353
Yxy	71.7209, 0.2581, 0.3093
Android (android.graphics.Color)	4288538873 (0xFF9DE8F9)
YUV	211.5130, 18.4811, -47.8079
Hunter-Lab	84.6882, -22.0596, -10.9464

Details

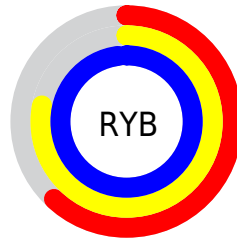
The Yxy color **71.7209, 0.2581, 0.3093** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.8081, 0.3966, 0.3475**, and the grayscale version is **65.3897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **37.6676, 0.2455, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **66.9184, 0.2455, 0.3031**, and if you desaturate by 10%, it is **77.1068, 0.2719, 0.3152**.

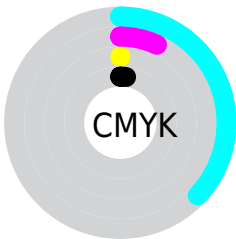
Distribution



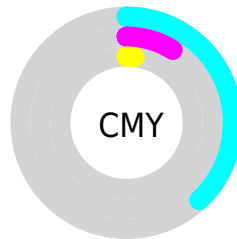
- Red (62%)
- Green (91%)
- Blue (98%)



- Red (62%)
- Yellow (78%)
- Blue (98%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)




- Cyan (38%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7209, 0.2581, 0.3093 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 71.7209, 0.2581, 0.3093 by changing the saturation by 10% instead.


 71.7209, 0.2581,
0.3093

 71.7209, 0.2581,
0.3093

466.5696, 0.2829,
0.3189

 52.9307, 0.2526,
0.3070

 121.6596, 0.2666,
0.3127

 37.7475, 0.2458,
0.3041


 153.5770, 0.2700,
0.3140

 25.7867, 0.2373,
0.3003


190.6388, 0.2728,
0.3152

 16.6642, 0.2264,
0.2953

233.2296, 0.2754,
0.3161

 9.9953, 0.2120,
0.2882

281.7337, 0.2776,
0.3170

 5.3959, 0.1920,
0.2776

336.5354, 0.2796,

 2.4814, 0.1628,

0.3177

0.2604

398.0192, 0.2813,
0.3184

0.8673, 0.0973,
0.2340

0.0000, 0.0000,
0.0000

71.7209, 0.2581,
0.3093

71.7209, 0.2581,
0.3093

66.9184, 0.2455,
0.3031

77.1068, 0.2719,
0.3152

62.6593, 0.2344,
0.2966

83.0967, 0.2866,
0.3207

58.9110, 0.2250,
0.2899

89.7206, 0.3019,
0.3257

55.6340, 0.2176,
0.2831

96.7131, 0.3164,
0.3303

■ 52.7814, 0.2122,
0.2764

■ 99.6082, 0.3162,
0.3347

■ 50.2939, 0.2086,
0.2697

■ 99.6197, 0.3162,
0.3347

■ 49.5867, 0.2077,
0.2677

Harmonies

Analogous

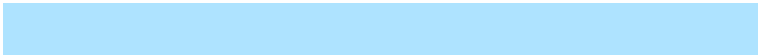
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7209, 0.2710, 0.3370



71.7209, 0.2581, 0.3093



71.7209, 0.2590, 0.2889

Triad

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



71.7209, 0.2581, 0.3093



71.7209, 0.3288, 0.2977



71.7209, 0.3520, 0.3804

Complementary

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



71.7209, 0.2581, 0.3093



52.8081, 0.3966, 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.



71.7209, 0.3691, 0.3666



71.7209, 0.2581, 0.3093



71.7209, 0.3556, 0.3194

Square

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



71.7209, 0.2581, 0.3093



71.7209, 0.2986, 0.2835



71.7209, 0.3706, 0.3442



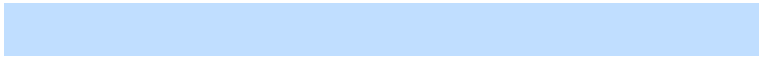
71.7209, 0.3247, 0.3799

Rectangle

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



71.7209, 0.2581, 0.3093



71.7209, 0.2672, 0.2817



71.7209, 0.3706, 0.3442



71.7209, 0.3591, 0.3772

Sweetspot

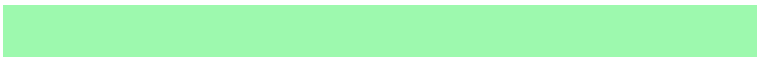
The Sweet Spot groups the original color and five complimentary colors.



71.7237, 0.2581, 0.3093



91.8061, 0.2957, 0.3238



77.9613, 0.2987, 0.4205



19.4466, 0.2936, 0.3231



0.0000, 0.0000, 0.0000



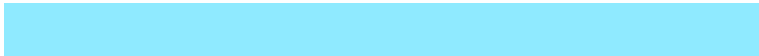
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7237, 0.2581, 0.3093



72.0614, 0.2490, 0.3049



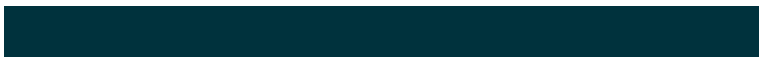
49.1525, 0.2500, 0.2530



19.0321, 0.2980, 0.3245



26.7377, 0.2080, 0.2688



2.6128, 0.2102, 0.2768

Inverse Universe

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



50.0555, 0.3312, 0.2524



46.8030, 0.3357, 0.2384



73.6762, 0.3786, 0.3946



17.4664, 0.3166, 0.3099



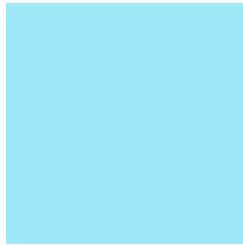
13.1101, 0.3740, 0.1834



1.2280, 0.3665, 0.1792

Previews

White Background



This preview shows how the Yxy color 71.7209, 0.2581, 0.3093 looks on a white background.

Color Contrast Check

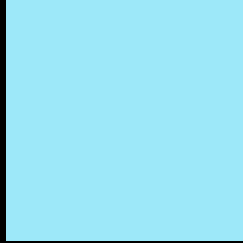
Large Text (above 18pt) WCAG AA × Fail

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 71.7209, 0.2581, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

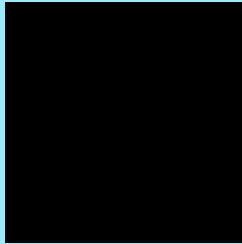
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7209, 0.2581, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 71.7209, 0.2581, 0.3093.

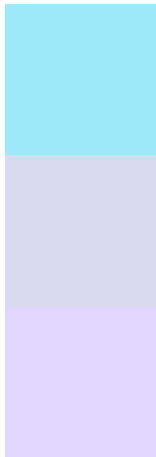


This preview shows how white text looks on a background with the Yxy color 71.7209, 0.2581, 0.3093.

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

71.7209, 0.2581, 0.3093

Protanopia

71.1858, 0.2978, 0.3054

Deuteranopia

71.1925, 0.2950, 0.2884



Tritanopia

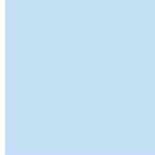
71.7835, 0.2577, 0.3082

Trichromacy



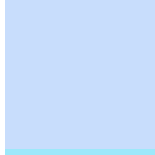
Original Color

71.7209, 0.2581, 0.3093



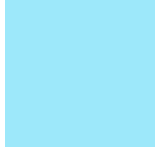
Protanomaly

70.8485, 0.2817, 0.3068



Deuteranomaly

71.0205, 0.2796, 0.2953



Tritanomaly

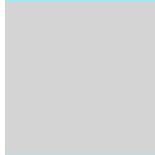
71.7835, 0.2577, 0.3082

Monochromacy



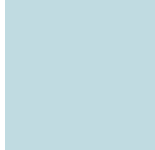
Original Color

71.7209, 0.2581, 0.3093



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.3057, 0.2902, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7209, 0.2581, 0.3093 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(157, 232, 249)` looks like.

```
.text, #text, p{  
    color:rgb(157, 232, 249)  
}
```

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(157, 232, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 232, 249) }
```

Border

The CSS property to change the border of an element to Yxy 71.7209, 0.2581, 0.3093 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(157, 232, 249) }
```

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

```
.border{ border-color:rgb(157, 232, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 232, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(157, 232,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7209, 0.2581, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 232, 249) }
```

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

```
.background{ background-color: rgb(157,  
232, 249) }
```

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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