

Converting Colors

$Yxy(71.8504, 0.2495, 0.3129)$

Have a look what the booklet for
Yxy(71.8504, 0.2495, 0.3129)
contains.

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Color

Yxy(71.5746, 0.2493, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	89EBF9
RGB	137, 235, 249
RGB Percent	54%, 92%, 98%
CMY	0.4629, 0.0784, 0.0236
CMYK	0.45, 0.06, 0.00, 0.02
HSL	187°, 90%, 76%
HSV	187°, 45%, 98%
XYZ	57.1176, 71.5746, 100.4198
YIQ	207.2940, -62.9020, -16.4220

Conversions

Conversions Part 2

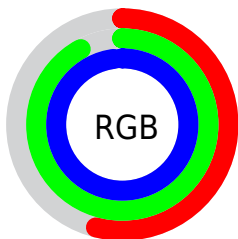
Format	Color
R_{YB}	137, 189, 249
Decimal	9038841
CIE _{Lab}	87.76, -25.32, -15.78
CIE _{LCh}	88, 29.832, 211.925
Yxy	71.5746, 0.2493, 0.3124
Android (android.graphics.Color)	4287228921 (0xFF89EBF9)
YUV	207.2940, 20.5611, -61.6478
Hunter-Lab	84.6018, -27.5415, -11.1542

Details

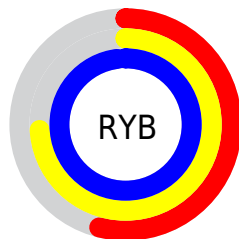
The Yxy color **71.5746, 0.2493, 0.3124** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.0591, 0.4269, 0.3443**, and the grayscale version is **62.4875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **37.6682, 0.2348, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **67.9470, 0.2386, 0.3081**, and if you desaturate by 10%, it is **75.7242, 0.2616, 0.3165**.

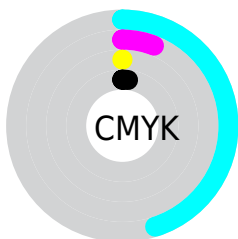
Distribution



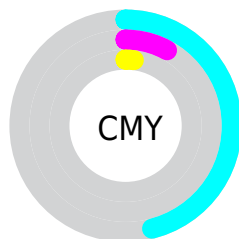
- Red (54%)
- Green (92%)
- Blue (98%)



- Red (54%)
- Yellow (74%)
- Blue (98%)



- Cyan (45%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)




- Cyan (46%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5746, 0.2493, 0.3124 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 71.5746, 0.2493, 0.3124 by changing the saturation by 10% instead.


 71.5746, 0.2493,
0.3124


 71.5746, 0.2493,
0.3124


466.0596, 0.2780,
0.3208

 52.8112, 0.2429,
0.3103

 121.4515, 0.2591,
0.3155

 37.6521, 0.2351,
0.3077


 153.3339, 0.2630,
0.3166

 25.7128, 0.2254,
0.3042


190.3581, 0.2663,
0.3176

 16.6089, 0.2130,
0.2995

232.9084, 0.2693,
0.3184

 9.9560, 0.1966,
0.2927

281.3693, 0.2718,
0.3191

 5.3698, 0.1742,
0.2824

336.1253, 0.2741,

 2.4658, 0.1420,

0.3198

0.2652

397.5605, 0.2762,
0.3203

0.8595, 0.0561,
0.2424

0.0000, 0.0000,
0.0000

71.5746, 0.2493,
0.3124

71.5746, 0.2493,
0.3124

67.9470, 0.2386,
0.3081

75.7242, 0.2616,
0.3165

64.7991, 0.2297,
0.3037


80.4184, 0.2752,
0.3204


62.0953, 0.2227,
0.2993

85.6881, 0.2897,
0.3241

59.7910, 0.2177,
0.2949


91.5596, 0.3050,
0.3274

 57.8312, 0.2146,
0.2905

 96.8115, 0.3164,
0.3305

 56.9392, 0.2134,
0.2883

 98.7644, 0.3163,
0.3335

 99.6191, 0.3162,
0.3347

Harmonies

Analogous

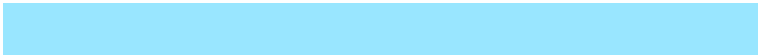
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5746, 0.2683, 0.3472



71.5746, 0.2493, 0.3124



71.5746, 0.2463, 0.2851

Triad

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



71.5746, 0.2493, 0.3124



71.5746, 0.3229, 0.2862



71.5746, 0.3667, 0.3885

Complementary

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



71.5746, 0.2493, 0.3124



44.0591, 0.4269, 0.3443

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.



71.5746, 0.3836, 0.3679



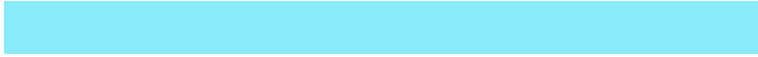
71.5746, 0.2493, 0.3124



71.5746, 0.3578, 0.3102

Square

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



71.5746, 0.2493, 0.3124



71.5746, 0.2870, 0.2722



71.5746, 0.3805, 0.3394



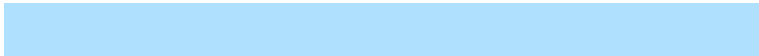
71.5746, 0.3357, 0.3933

Rectangle

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



71.5746, 0.2493, 0.3124



71.5746, 0.2534, 0.2743



71.5746, 0.3805, 0.3394



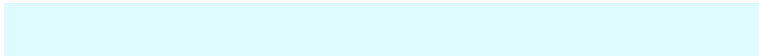
71.5746, 0.3743, 0.3830

Sweetspot

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



71.5774, 0.2493, 0.3124



91.6346, 0.2927, 0.3248



75.2650, 0.2998, 0.4541



19.3330, 0.2894, 0.3240



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.



71.5774, 0.2493, 0.3124



72.0640, 0.2395, 0.3085



44.7599, 0.2370, 0.2427



19.2171, 0.2980, 0.3260



30.6255, 0.2136, 0.2890



2.9368, 0.2151, 0.2943

Inverse Universe

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



44.0183, 0.3302, 0.2307



40.2148, 0.3345, 0.2134



66.1092, 0.3986, 0.4013



17.4851, 0.3157, 0.3085



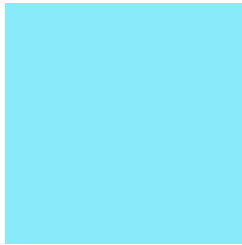
13.5026, 0.3552, 0.1730



1.2607, 0.3505, 0.1705

Previews

White Background



This preview shows how the Yxy color 71.5746, 0.2493, 0.3124 looks on a white background.

Color Contrast Check

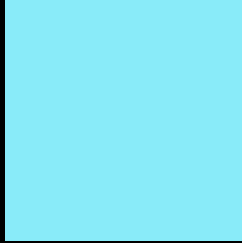
Large Text (above 18pt) WCAG AA × Fail

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 71.5746, 0.2493, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

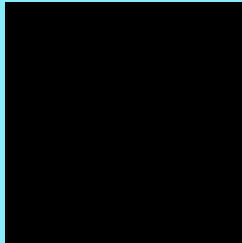
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.5746, 0.2493, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 71.5746, 0.2493, 0.3124.

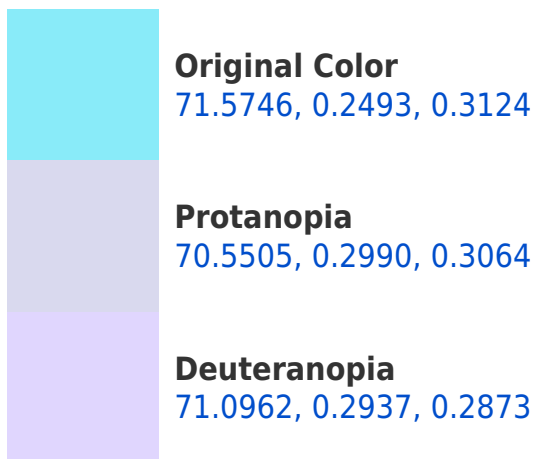


This preview shows how white text looks on a background with the Yxy color 71.5746, 0.2493, 0.3124.

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

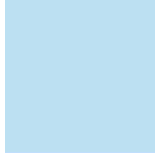
71.3408, 0.2477, 0.3067

Trichromacy



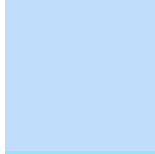
Original Color

71.5746, 0.2493, 0.3124



Protanomaly

70.4135, 0.2781, 0.3087



Deuteranomaly

70.4773, 0.2747, 0.2959



Tritanomaly

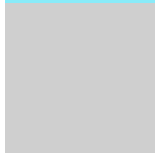
71.2772, 0.2482, 0.3078

Monochromacy



Original Color

71.5746, 0.2493, 0.3124



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.8447, 0.2854, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5746, 0.2493, 0.3124 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(137, 235, 249)` looks like.

```
.text, #text, p{  
    color:rgb(137, 235, 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(137, 235, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 235, 249) }
```

Border

The CSS property to change the border of an element to Yxy 71.5746, 0.2493, 0.3124 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(137, 235, 249) }
```

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

```
.border{ border-color:rgb(137, 235, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 235, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 235, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 235, 249);  
box-shadow:4px 4px 4px 4px rgb(137, 235,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5746, 0.2493, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 235, 249) }
```

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

```
.background{ background-color: rgb(137,  
235, 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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