

Converting Colors

$Yxy(77.1498, 0.2192, 0.2310)$

Have a look what the booklet for
Yxy(77.1498, 0.2192, 0.2310)
contains.

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Color

Yxy(71.2486, 0.2484, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	8EE9FF
RGB	142, 233, 255
RGB Percent	56%, 91%, 100%
CMY	0.4430, 0.0863, 0.0000
CMYK	0.44, 0.09, 0.00, 0.00
HSL	192°, 100%, 78%
HSV	192°, 44%, 100%
XYZ	58.3520, 71.2486, 105.3107
YIQ	208.2990, -61.2980, -12.4500

Conversions

Conversions Part 2

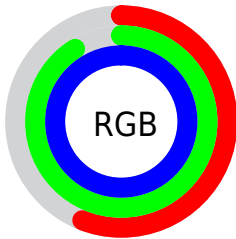
Format	Color
RYB	142, 192, 255
Decimal	9366015
CIELab	87.61, -21.62, -19.16
CIELCh	88, 28.888, 221.543
Yxy	71.2486, 0.2484, 0.3033
Android (android.graphics.Color)	4287556095 (0xFF8EE9FF)
YUV	208.2990, 23.0236, -58.1442
Hunter-Lab	84.4089, -24.3183, -14.8855

Details

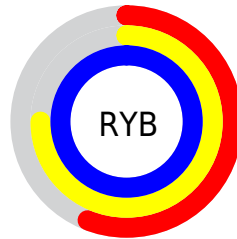
The Yxy color **71.2486, 0.2484, 0.3033** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.7788, 0.4205, 0.3524**, and the grayscale version is **63.1629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **37.3605, 0.2341, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **66.4723, 0.2367, 0.2965**, and if you desaturate by 10%, it is **76.6212, 0.2615, 0.3099**.

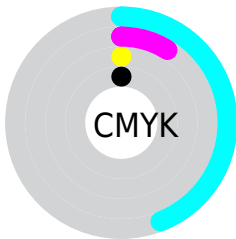
Distribution



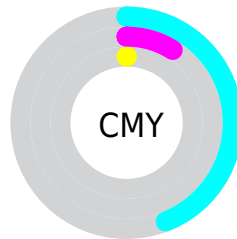
- Red (56%)
- Green (91%)
- Blue (100%)



- Red (56%)
- Yellow (75%)
- Blue (100%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2486, 0.2484, 0.3033 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 71.2486, 0.2484, 0.3033 by changing the saturation by 10% instead.

 71.2486, 0.2484,
0.3033


 71.2486, 0.2484,
0.3033

464.9220, 0.2775,
0.3159

 52.5451, 0.2419,
0.3003


 120.9876, 0.2583,
0.3078

 37.4397, 0.2341,
0.2965


 152.7920, 0.2623,
0.3095

 25.5482, 0.2243,
0.2916


189.7320, 0.2656,
0.3110

 16.4859, 0.2118,
0.2851

232.1922, 0.2686,
0.3122

 9.8686, 0.1953,
0.2760

280.5569, 0.2712,
0.3133

 5.3120, 0.1729,
0.2625

335.2105, 0.2736,

 2.4314, 0.1410,

0.3143

0.2409

396.5374, 0.2756,
0.3151

0.8420, 0.0676,
0.2088

0.0000, 0.0000,
0.0000

71.2486, 0.2484,
0.3033

71.2486, 0.2484,
0.3033

66.4723, 0.2367,
0.2965

76.6212, 0.2615,
0.3099

62.2542, 0.2268,
0.2894

82.6212, 0.2757,
0.3160

58.5540, 0.2187,
0.2823

89.2794, 0.2906,
0.3217

55.3245, 0.2126,
0.2751

96.6240, 0.3060,
0.3269

■ 52.5077, 0.2084,
0.2680

100.0000, 0.3127,
0.3290

■ 51.0403, 0.2067,
0.2640

Harmonies

Analogous

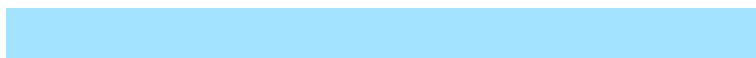
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2486, 0.2622, 0.3357



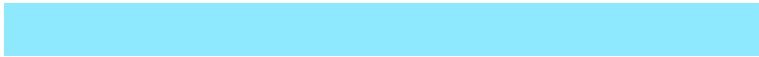
71.2486, 0.2484, 0.3033



71.2486, 0.2506, 0.2806

Triad

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



71.2486, 0.2484, 0.3033



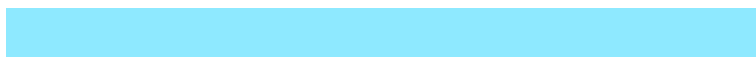
71.2486, 0.3341, 0.2940



71.2486, 0.3566, 0.3902

Complementary

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



71.2486, 0.2484, 0.3033



49.7788, 0.4205, 0.3524

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.



71.2486, 0.3782, 0.3744



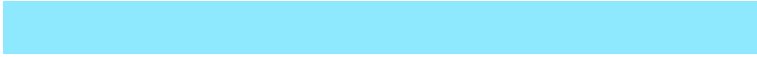
71.2486, 0.2484, 0.3033



71.2486, 0.3652, 0.3196

Square

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



71.2486, 0.2484, 0.3033



71.2486, 0.2985, 0.2768



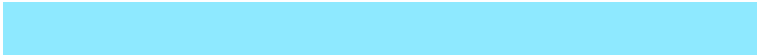
71.2486, 0.3816, 0.3484



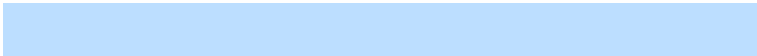
71.2486, 0.3239, 0.3887

Rectangle

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



71.2486, 0.2484, 0.3033



71.2486, 0.2609, 0.2731



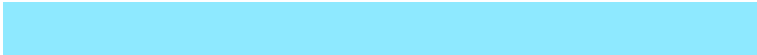
71.2486, 0.3816, 0.3484



71.2486, 0.3655, 0.3865

Sweetspot

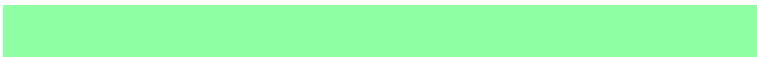
The Sweet Spot groups the original color and five complimentary colors.



71.2493, 0.2484, 0.3033



90.1950, 0.2926, 0.3224



79.9090, 0.2964, 0.4426



18.9742, 0.2893, 0.3212



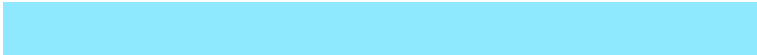
0.0000, 0.0000, 0.0000



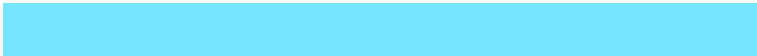
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2493, 0.2484, 0.3033



67.0610, 0.2382, 0.2974



44.7378, 0.2365, 0.2346



19.8447, 0.2980, 0.3243



26.8828, 0.2070, 0.2652



2.7641, 0.2092, 0.2732

Inverse Universe

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



46.4992, 0.3370, 0.2388



40.2959, 0.3433, 0.2230



73.9959, 0.3937, 0.4074



18.2361, 0.3168, 0.3101



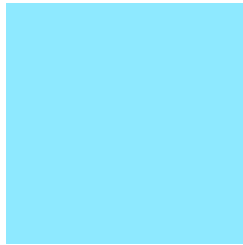
13.4418, 0.3774, 0.1853



1.3236, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 71.2486, 0.2484, 0.3033 looks on a white background.

Color Contrast Check

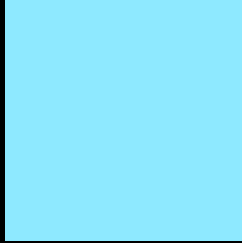
Large Text (above 18pt) WCAG AA × Fail

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 71.2486, 0.2484, 0.3033 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 71.2486, 0.2484, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 71.2486, 0.2484, 0.3033.

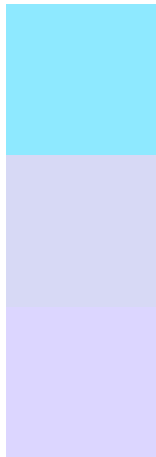


This preview shows how white text looks on a background with the Yxy color 71.2486, 0.2484, 0.3033.

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

71.2486, 0.2484, 0.3033

Protanopia

70.6654, 0.2933, 0.2990

Deuteranopia

70.5288, 0.2904, 0.2860



Tritanopia

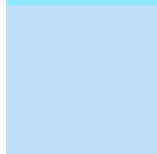
70.9688, 0.2493, 0.3067

Trichromacy



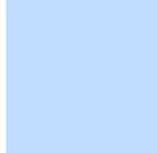
Original Color

71.2486, 0.2484, 0.3033



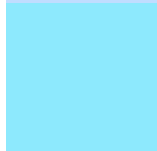
Protanomaly

70.3063, 0.2741, 0.3000



Deuteranomaly

70.1394, 0.2730, 0.2917



Tritanomaly

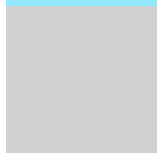
71.0324, 0.2489, 0.3055

Monochromacy



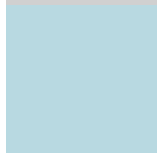
Original Color

71.2486, 0.2484, 0.3033



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.2523, 0.2849, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2486, 0.2484, 0.3033 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(142, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 233, 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(142, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.2486, 0.2484, 0.3033 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(142, 233, 255) }
```

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

```
.border{ border-color:rgb(142, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2486, 0.2484, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 233, 255) }
```

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

```
.background{ background-color: rgb(142,  
233, 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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