

Converting Colors

$Y_{xy}(70.7482, 0.2386, 0.2684)$

Have a look what the booklet for
Yxy(70.7482, 0.2386, 0.2684)
contains.

Yxy(68.5477, 0.2504, 0.2964)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.5477, 0.2504, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	95E3FF
RGB	149, 227, 255
RGB Percent	58%, 89%, 100%
CMY	0.4159, 0.1098, 0.0000
CMYK	0.42, 0.11, 0.00, 0.00
HSL	196°, 100%, 79%
HSV	196°, 42%, 100%
XYZ	57.9094, 68.5477, 104.8105
YIQ	206.8700, -55.4760, -7.8280

Conversions

Conversions Part 2

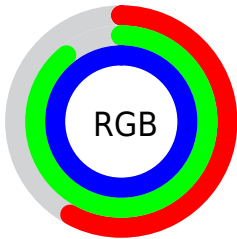
Format	Color
R_{YB}	149, 194, 255
Decimal	9823231
CIE _{Lab}	86.28, -16.98, -21.13
CIE _{LCh}	86, 27.109, 231.211
Yxy	68.5477, 0.2504, 0.2964
Android (android.graphics.Color)	4288013311 (0xFF95E3FF)
YUV	206.8700, 23.7281, -50.7520
Hunter-Lab	82.7935, -20.0380, -17.1012

Details

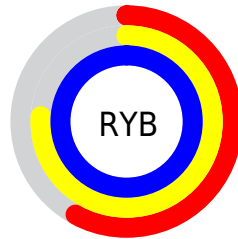
The Yxy color **68.5477, 0.2504, 0.2964** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.8477, 0.4078, 0.3586**, and the grayscale version is **62.1729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **35.8576, 0.2367, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **62.7977, 0.2375, 0.2871**, and if you desaturate by 10%, it is **74.9681, 0.2645, 0.3053**.

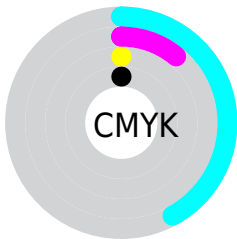
Distribution



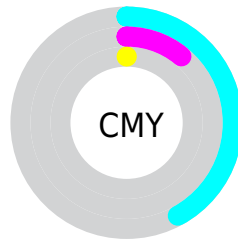
- Red (58%)
- Green (89%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5477, 0.2504, 0.2964 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 68.5477, 0.2504, 0.2964 by changing the saturation by 10% instead.


 68.5477, 0.2504,
0.2964

 68.5477, 0.2504,
0.2964


455.4341, 0.2788,
0.3121

 50.3434, 0.2441,
0.2927


 117.1353, 0.2601,
0.3020

 35.6864, 0.2363,
0.2880


 148.2875, 0.2640,
0.3041

 24.1921, 0.2266,
0.2821


184.5244, 0.2673,
0.3059

 15.4762, 0.2142,
0.2741

226.2305, 0.2702,
0.3075

 9.1542, 0.1978,
0.2632

273.7901, 0.2727,
0.3089

 4.8419, 0.1752,
0.2472

327.5876, 0.2750,

 2.1548, 0.1428,

0.3101

0.2221

388.0075, 0.2770,
0.3112

0.6952, 0.0645,
0.1822

0.0000, 0.0000,
0.0000

68.5477, 0.2504,
0.2964

68.5477, 0.2504,
0.2964

62.7977, 0.2375,
0.2871

74.9681, 0.2645,
0.3053

57.6795, 0.2261,
0.2774

82.0896, 0.2794,
0.3135

53.1536, 0.2164,
0.2674

89.9438, 0.2947,
0.3211

49.1734, 0.2088,
0.2574

98.5590, 0.3103,
0.3280

■ 45.6837, 0.2032,
0.2474

100.0000, 0.3127,
0.3290

■ 43.0582, 0.1998,
0.2391

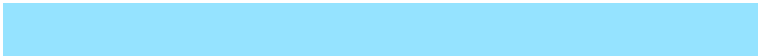
Harmonies

Analogous

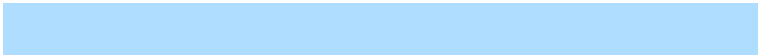
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5477, 0.2588, 0.3250



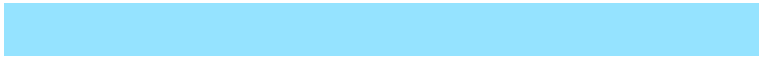
68.5477, 0.2504, 0.2964



68.5477, 0.2575, 0.2787

Triad

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



68.5477, 0.2504, 0.2964



68.5477, 0.3436, 0.3029



68.5477, 0.3453, 0.3886

Complementary

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



68.5477, 0.2504, 0.2964



54.8477, 0.4078, 0.3586

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.



68.5477, 0.3700, 0.3785



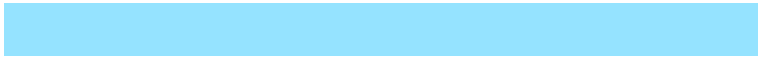
68.5477, 0.2504, 0.2964



68.5477, 0.3695, 0.3289

Square

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



68.5477, 0.2504, 0.2964



68.5477, 0.3100, 0.2834



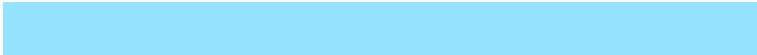
68.5477, 0.3793, 0.3562



68.5477, 0.3126, 0.3811

Rectangle

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



68.5477, 0.2504, 0.2964



68.5477, 0.2703, 0.2744



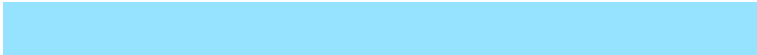
68.5477, 0.3793, 0.3562



68.5477, 0.3549, 0.3871

Sweetspot

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



68.5484, 0.2504, 0.2964



89.6063, 0.2941, 0.3208



81.0179, 0.2937, 0.4254



18.9516, 0.2921, 0.3198



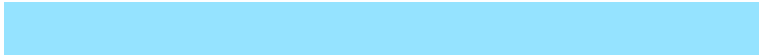
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



68.5484, 0.2504, 0.2964



63.6683, 0.2395, 0.2886



44.4442, 0.2400, 0.2326



19.6224, 0.2980, 0.3226



22.7560, 0.2002, 0.2408



2.3944, 0.2034, 0.2520

Inverse Universe

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



48.2849, 0.3418, 0.2506



41.8073, 0.3497, 0.2359



79.1833, 0.3852, 0.4092



18.2137, 0.3179, 0.3117



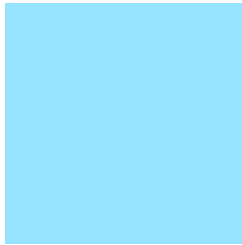
13.0252, 0.4015, 0.1985



1.2863, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 68.5477, 0.2504, 0.2964 looks on a white background.

Color Contrast Check

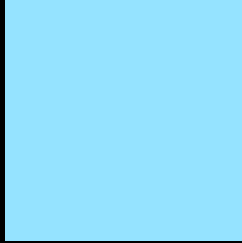
Large Text (above 18pt) WCAG AA × Fail

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 68.5477, 0.2504, 0.2964 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 68.5477, 0.2504, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 68.5477, 0.2504, 0.2964.



This preview shows how white text looks on a background with the Yxy color 68.5477, 0.2504, 0.2964.

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

68.5477, 0.2504, 0.2964

Protanopia

67.7976, 0.2885, 0.2931

Deuteranopia

68.1047, 0.2863, 0.2822



Tritanopia

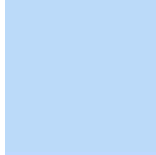
68.4052, 0.2534, 0.3065

Trichromacy



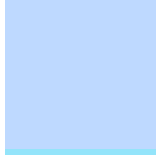
Original Color

68.5477, 0.2504, 0.2964



Protanomaly

67.5472, 0.2730, 0.2942



Deuteranomaly

67.7929, 0.2714, 0.2870



Tritanomaly

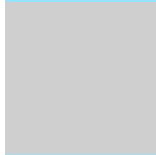
68.6848, 0.2525, 0.3031

Monochromacy



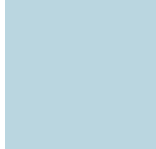
Original Color

68.5477, 0.2504, 0.2964



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

63.9141, 0.2866, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5477, 0.2504, 0.2964 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(149, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 227, 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(149, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5477, 0.2504, 0.2964 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(149, 227, 255) }
```

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

```
.border{ border-color:rgb(149, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5477, 0.2504, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 227, 255) }
```

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

```
.background{ background-color: rgb(149,  
227, 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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