

Converting Colors

$Yxy(68.7169, 0.2546, 0.3062)$

Have a look what the booklet for
Yxy(68.7169, 0.2546, 0.3062)
contains.

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Color

Yxy(68.6862, 0.2549, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	96E4F7
RGB	150, 228, 247
RGB Percent	59%, 89%, 97%
CMY	0.4119, 0.1058, 0.0314
CMYK	0.39, 0.08, 0.00, 0.03
HSL	192°, 86%, 78%
HSV	192°, 39%, 97%
XYZ	57.1041, 68.6862, 98.2352
YIQ	206.8440, -52.5870, -10.6270

Conversions

Conversions Part 2

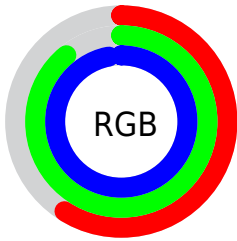
Format	Color
R _Y B	150, 193, 247
Decimal	9889015
CIE Lab	86.35, -19.25, -16.79
CIE LCh	86, 25.548, 221.095
Yxy	68.6862, 0.2549, 0.3066
Android (android.graphics.Color)	4288079095 (0xFF96E4F7)
YUV	206.8440, 19.7969, -49.8522
Hunter-Lab	82.8771, -22.0448, -12.2631

Details

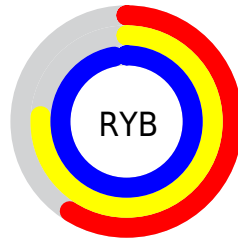
The Yxy color **68.6862, 0.2549, 0.3066** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.3326, 0.4034, 0.3499**, and the grayscale version is **62.1843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **35.5938, 0.2411, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **63.9661, 0.2425, 0.2999**, and if you desaturate by 10%, it is **73.9797, 0.2686, 0.3130**.

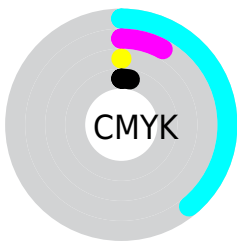
Distribution



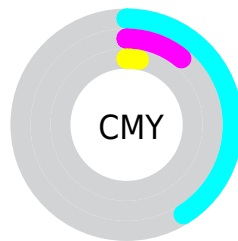
- Red (59%)
- Green (89%)
- Blue (97%)



- Red (59%)
- Yellow (76%)
- Blue (97%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)





- Cyan (41%)
- Magenta (11%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6862, 0.2549, 0.3066 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 68.6862, 0.2549, 0.3066 by changing the saturation by 10% instead.

 68.6862, 0.2549,
0.3066


 68.6862, 0.2549,
0.3066


455.9234, 0.2813,
0.3176

 50.4562, 0.2490,
0.3039


 117.3333, 0.2640,
0.3105

 35.7760, 0.2417,
0.3006


 148.5191, 0.2676,
0.3120

 24.2613, 0.2326,
0.2963


184.7924, 0.2706,
0.3133

 15.5275, 0.2208,
0.2904

226.5374, 0.2733,
0.3144

 9.1905, 0.2052,
0.2822

274.1386, 0.2757,
0.3154

 4.8656, 0.1835,
0.2698

327.9805, 0.2778,

 2.1686, 0.1519,

0.3162

0.2496

388.4473, 0.2796,
0.3169

0.7028, 0.0618,
0.2192

0.0000, 0.0000,
0.0000

68.6862, 0.2549,
0.3066

68.6862, 0.2549,
0.3066

63.9661, 0.2425,
0.2999

73.9797, 0.2686,
0.3130

59.7796, 0.2316,
0.2929

79.8677, 0.2832,
0.3189

56.0937, 0.2225,
0.2858

86.3799, 0.2984,
0.3244

52.8682, 0.2154,
0.2786

93.5414, 0.3138,
0.3293

■ 50.0551, 0.2103,
0.2714

■ 97.7032, 0.3175,
0.3340

■ 47.5812, 0.2068,
0.2643

■ 99.4948, 0.3174,
0.3367

■ 47.4097, 0.2066,
0.2638

Harmonies

Analogous

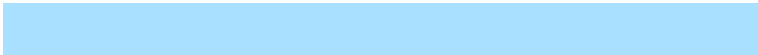
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6862, 0.2676, 0.3356



68.6862, 0.2549, 0.3066



68.6862, 0.2567, 0.2859

Triad

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



68.6862, 0.2549, 0.3066



68.6862, 0.3315, 0.2972



68.6862, 0.3526, 0.3836

Complementary

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



68.6862, 0.2549, 0.3066



50.3326, 0.4034, 0.3499

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.



68.6862, 0.3715, 0.3697



68.6862, 0.2549, 0.3066



68.6862, 0.3593, 0.3203

Square

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



68.6862, 0.2549, 0.3066



68.6862, 0.2996, 0.2818



68.6862, 0.3742, 0.3464



68.6862, 0.3234, 0.3823

Rectangle

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



68.6862, 0.2549, 0.3066



68.6862, 0.2659, 0.2788



68.6862, 0.3742, 0.3464



68.6862, 0.3604, 0.3805

Sweetspot

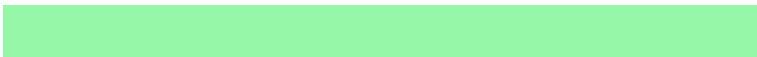
The Sweet Spot groups the original color and five complimentary colors.



68.6889, 0.2549, 0.3066



90.8909, 0.2941, 0.3229



75.8157, 0.2979, 0.4272



19.2552, 0.2921, 0.3222



0.0000, 0.0000, 0.0000



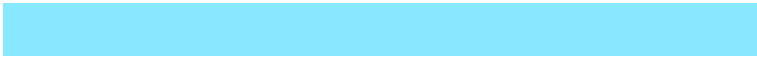
21.4041, 0.3127, 0.3290

Same Dimension

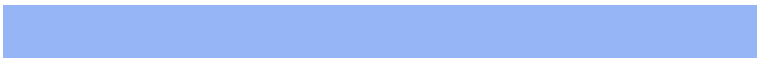
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6889, 0.2549, 0.3066



69.8449, 0.2451, 0.3014



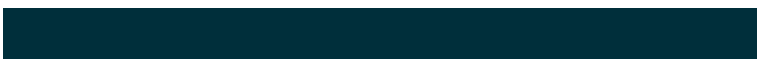
46.1206, 0.2458, 0.2474



18.1746, 0.2980, 0.3243



25.2786, 0.2069, 0.2650



2.3593, 0.2094, 0.2739

Inverse Universe

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



47.1788, 0.3336, 0.2488



44.4306, 0.3390, 0.2338



71.2232, 0.3833, 0.3986



16.7095, 0.3168, 0.3102



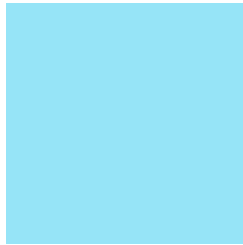
12.6513, 0.3776, 0.1854



1.1258, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 68.6862, 0.2549, 0.3066 looks on a white background.

Color Contrast Check

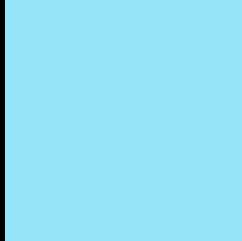
Large Text (above 18pt) WCAG AA × Fail

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 68.6862, 0.2549, 0.3066 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 68.6862, 0.2549, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 68.6862, 0.2549, 0.3066.

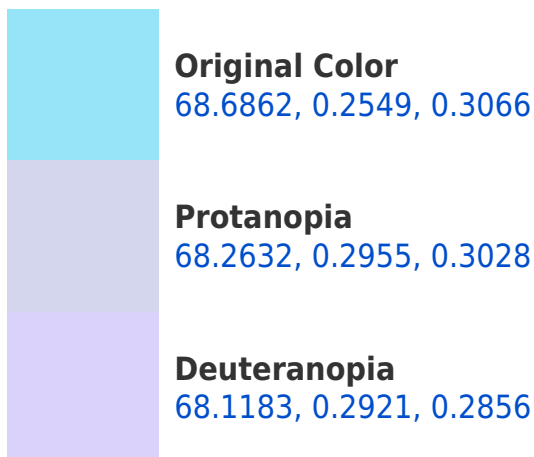


This preview shows how white text looks on a background with the Yxy color 68.6862, 0.2549, 0.3066.

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

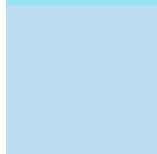
68.6247, 0.2554, 0.3077

Trichromacy



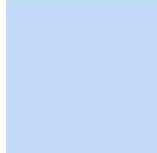
Original Color

68.6862, 0.2549, 0.3066



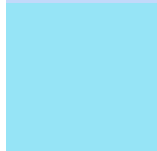
Protanomaly

67.8327, 0.2788, 0.3041



Deuteranomaly

67.9972, 0.2766, 0.2925



Tritanomaly

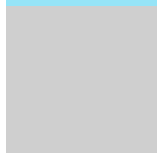
68.6247, 0.2554, 0.3077

Monochromacy



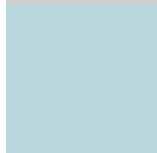
Original Color

68.6862, 0.2549, 0.3066



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.3139, 0.2879, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6862, 0.2549, 0.3066 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(150, 228, 247)` looks like.

```
.text, #text, p{  
    color:rgb(150, 228, 247)  
}
```

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(150, 228, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 228, 247) }
```

Border

The CSS property to change the border of an element to Yxy 68.6862, 0.2549, 0.3066 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(150, 228, 247) }
```

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

```
.border{ border-color:rgb(150, 228, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 228, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 228, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 228, 247); box-shadow:4px 4px 4px 4px rgb(150, 228, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6862, 0.2549, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 228, 247) }
```

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

```
.background{ background-color: rgb(150,  
228, 247) }
```

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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