

Converting Colors

$Yxy(68.3276, 0.2476, 0.3042)$

Have a look what the booklet for
Yxy(68.3276, 0.2476, 0.3042)
contains.

Yxy(68.2591, 0.2476, 0.3040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.2591, 0.2476, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	89E5FA
RGB	137, 229, 250
RGB Percent	54%, 90%, 98%
CMY	0.4626, 0.1020, 0.0196
CMYK	0.45, 0.08, 0.00, 0.02
HSL	191°, 92%, 76%
HSV	191°, 45%, 98%
XYZ	55.5952, 68.2591, 100.6822
YIQ	203.8860, -61.5730, -12.9730

Conversions

Conversions Part 2

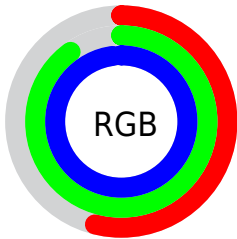
Format	Color
R_{YB}	137, 188, 250
Decimal	9037306
CIE _{Lab}	86.14, -22.09, -18.75
CIE _{LCh}	86, 28.973, 220.330
Yxy	68.2591, 0.2476, 0.3040
Android (android.graphics.Color)	4287227386 (0xFF89E5FA)
YUV	203.8860, 22.7342, -58.6590
Hunter-Lab	82.6191, -24.4688, -14.4193

Details

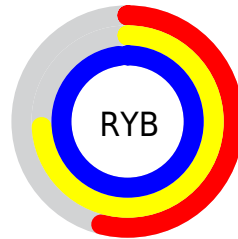
The Yxy color **68.2591, 0.2476, 0.3040** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.5985, 0.4240, 0.3517**, and the grayscale version is **60.1982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **35.4019, 0.2326, 0.2959** is the 20% darker color. If you saturate the color by 10%, you get **63.8498, 0.2362, 0.2975**, and if you desaturate by 10%, it is **73.2319, 0.2605, 0.3102**.

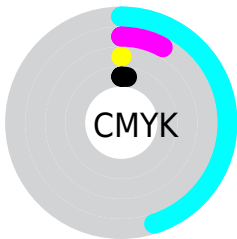
Distribution



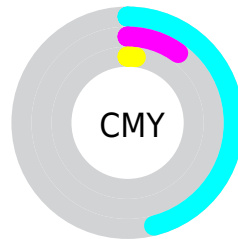
- Red (54%)
- Green (90%)
- Blue (98%)



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



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (46%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2591, 0.2476, 0.3040 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 68.2591, 0.2476, 0.3040 by changing the saturation by 10% instead.

 68.2591, 0.2476,
0.3040

 68.2591, 0.2476,
0.3040


454.4135, 0.2773,
0.3164

 50.1086, 0.2410,
0.3010


 116.7227, 0.2578,
0.3084

 35.4997, 0.2329,
0.2972


 147.8046, 0.2618,
0.3101

 24.0480, 0.2227,
0.2923

183.9657, 0.2652,
0.3116

 15.3692, 0.2097,
0.2857

225.5904, 0.2683,
0.3128

 9.0789, 0.1926,
0.2763

273.0632, 0.2709,
0.3139

 4.7927, 0.1690,
0.2623

326.7683, 0.2733,

 2.1262, 0.1352,

0.3148

0.2395

387.0903, 0.2754,
0.3156

0.6793, 0.0323,
0.2061

0.0000, 0.0000,
0.0000

68.2591, 0.2476,
0.3040

68.2591, 0.2476,
0.3040

63.8498, 0.2362,
0.2975

73.2319, 0.2605,
0.3102

59.9614, 0.2265,
0.2908

78.7919, 0.2745,
0.3161

56.5572, 0.2187,
0.2840

84.9707, 0.2893,
0.3216

53.5916, 0.2129,
0.2771

91.7951, 0.3047,
0.3266

■ 51.0085, 0.2090,
0.2704

■ 97.9300, 0.3158,
0.3311

■ 49.8609, 0.2076,
0.2672

■ 99.6818, 0.3156,
0.3338

Harmonies

Analogous

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



68.2591, 0.2622, 0.3372



68.2591, 0.2476, 0.3040



68.2591, 0.2492, 0.2804

Triad

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



68.2591, 0.2476, 0.3040



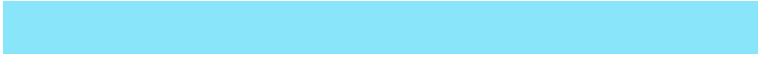
68.2591, 0.3330, 0.2925



68.2591, 0.3585, 0.3909

Complementary

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



68.2591, 0.2476, 0.3040



46.5985, 0.4240, 0.3517

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.



68.2591, 0.3799, 0.3742



68.2591, 0.2476, 0.3040



68.2591, 0.3651, 0.3182

Square

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



68.2591, 0.2476, 0.3040



68.2591, 0.2968, 0.2755



68.2591, 0.3826, 0.3475



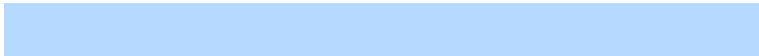
68.2591, 0.3255, 0.3902

Rectangle

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



68.2591, 0.2476, 0.3040



68.2591, 0.2592, 0.2724



68.2591, 0.3826, 0.3475



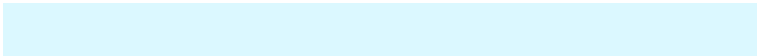
68.2591, 0.3674, 0.3869

Sweetspot

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



68.2617, 0.2476, 0.3040



89.6853, 0.2911, 0.3222



76.1503, 0.2961, 0.4451



18.8818, 0.2878, 0.3211



0.0000, 0.0000, 0.0000



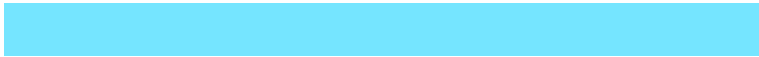
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2617, 0.2476, 0.3040



67.2844, 0.2374, 0.2982



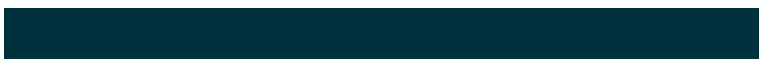
42.0394, 0.2349, 0.2325



19.0277, 0.2980, 0.3245



26.6477, 0.2079, 0.2683



2.6052, 0.2101, 0.2763

Inverse Universe

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



43.8843, 0.3366, 0.2363



39.7323, 0.3428, 0.2202



70.3389, 0.3955, 0.4088



17.4660, 0.3167, 0.3099



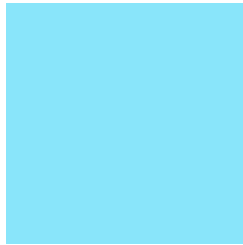
13.1010, 0.3744, 0.1836



1.2272, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 68.2591, 0.2476, 0.3040 looks on a white background.

Color Contrast Check

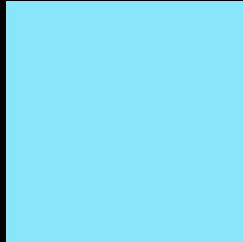
Large Text (above 18pt) WCAG AA × Fail

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 68.2591, 0.2476, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

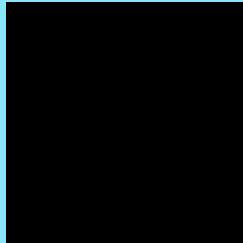
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2591, 0.2476, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 68.2591, 0.2476, 0.3040.

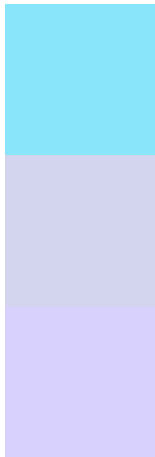


This preview shows how white text looks on a background with the Yxy color 68.2591, 0.2476, 0.3040.

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

68.2591, 0.2476, 0.3040

Protanopia

67.6694, 0.2942, 0.3006

Deuteranopia

67.3556, 0.2881, 0.2812



Tritanopia

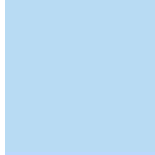
68.0502, 0.2480, 0.3063

Trichromacy



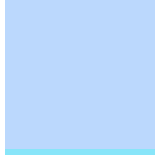
Original Color

68.2591, 0.2476, 0.3040



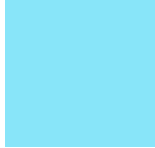
Protanomaly

67.3244, 0.2746, 0.3017



Deuteranomaly

66.7684, 0.2705, 0.2877



Tritanomaly

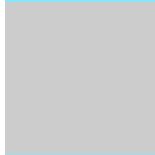
68.1124, 0.2476, 0.3051

Monochromacy



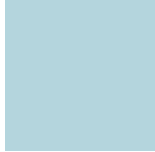
Original Color

68.2591, 0.2476, 0.3040



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.5123, 0.2844, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2591, 0.2476, 0.3040 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, 229, 250)` looks like.

```
.text, #text, p{  
    color:rgb(137, 229, 250)  
}
```

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, 229, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 229, 250) }
```

Border

The CSS property to change the border of an element to Yxy 68.2591, 0.2476, 0.3040 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, 229, 250) }
```

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

```
.border{ border-color:rgb(137, 229, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 229, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 229, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 229, 250);  
box-shadow:4px 4px 4px 4px rgb(137, 229,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2591, 0.2476, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 229, 250) }
```

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

```
.background{ background-color: rgb(137,  
229, 250) }
```

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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