

Converting Colors

$Yxy(66.9997, 0.2477, 0.2938)$

Have a look what the booklet for
Yxy(66.9997, 0.2477, 0.2938)
contains.

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Color

Yxy(66.9997, 0.2477, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	90E1FF
RGB	144, 225, 255
RGB Percent	56%, 88%, 100%
CMY	0.4350, 0.1177, 0.0000
CMYK	0.43, 0.12, 0.00, 0.00
HSL	196°, 100%, 78%
HSV	196°, 43%, 100%
XYZ	56.4868, 66.9997, 104.5588
YIQ	204.2010, -57.9060, -7.8420

Conversions

Conversions Part 2

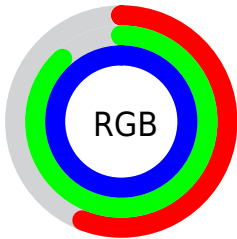
Format	Color
RYB	144, 191, 255
Decimal	9495039
CIELab	85.50, -17.14, -22.31
CIElCh	86, 28.133, 232.468
Yxy	66.9997, 0.2477, 0.2938
Android (android.graphics.Color)	4287685119 (0xFF90E1FF)
YUV	204.2010, 25.0439, -52.7963
Hunter-Lab	81.8533, -20.0609, -18.4392

Details

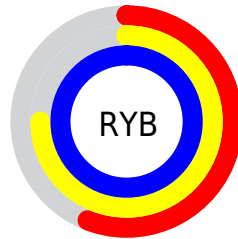
The Yxy color **66.9997, 0.2477, 0.2938** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.5836, 0.4136, 0.3607**, and the grayscale version is **60.3961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **34.8051, 0.2331, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **61.3030, 0.2350, 0.2841**, and if you desaturate by 10%, it is **73.3708, 0.2617, 0.3030**.

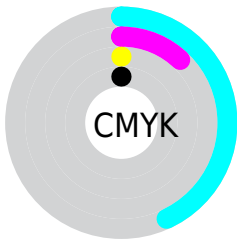
Distribution



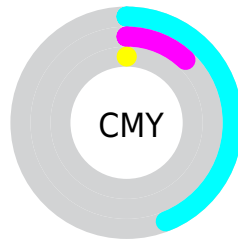
- Red (56%)
- Green (88%)
- Blue (100%)



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



- Cyan (43%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9997, 0.2477, 0.2938 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 66.9997, 0.2477, 0.2938 by changing the saturation by 10% instead.


 66.9997, 0.2477,
0.2938

 66.9997, 0.2477,
0.2938


449.9437, 0.2774,
0.3108

 49.0844, 0.2411,
0.2898


 114.9200, 0.2579,
0.2998

 34.6864, 0.2329,
0.2847


 145.6937, 0.2619,
0.3021

 23.4214, 0.2228,
0.2782


181.5224, 0.2654,
0.3041

 14.9050, 0.2097,
0.2696

222.7904, 0.2684,
0.3058

 8.7527, 0.1925,
0.2577

269.8822, 0.2710,
0.3073

 4.5803, 0.1689,
0.2404

323.1820, 0.2734,

 2.0032, 0.1352,

0.3086

0.2132

383.0744, 0.2755,
0.3098

0.6093, 0.0444,
0.1683

0.0000, 0.0000,
0.0000

66.9997, 0.2477,
0.2938

66.9997, 0.2477,
0.2938

61.3030, 0.2350,
0.2841

73.3708, 0.2617,
0.3030

56.2360, 0.2238,
0.2741

80.4424, 0.2765,
0.3116

51.7597, 0.2144,
0.2638

88.2483, 0.2918,
0.3195

47.8263, 0.2071,
0.2535

96.8174, 0.3073,
0.3267

■ 44.3777, 0.2017,
0.2433

99.9998, 0.3127,
0.3290

■ 42.3413, 0.1991,
0.2367

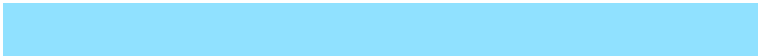
Harmonies

Analogous

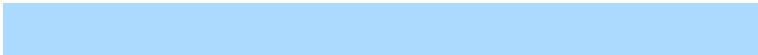
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.9997, 0.2557, 0.3233



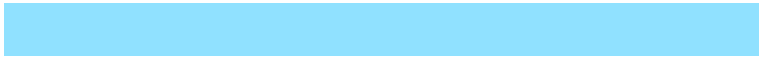
66.9997, 0.2477, 0.2938



66.9997, 0.2557, 0.2760

Triad

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



66.9997, 0.2477, 0.2938



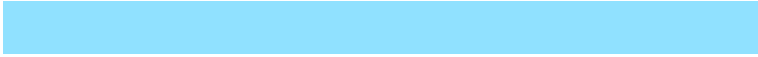
66.9997, 0.3464, 0.3027



66.9997, 0.3454, 0.3915

Complementary

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



66.9997, 0.2477, 0.2938



53.5836, 0.4136, 0.3607

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.



66.9997, 0.3718, 0.3815



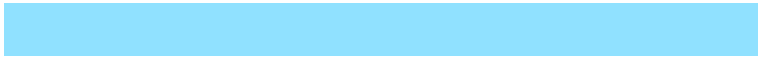
66.9997, 0.2477, 0.2938



66.9997, 0.3729, 0.3300

Square

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



66.9997, 0.2477, 0.2938



66.9997, 0.3113, 0.2821



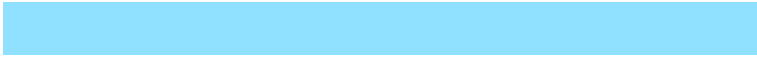
66.9997, 0.3823, 0.3584



66.9997, 0.3111, 0.3829

Rectangle

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



66.9997, 0.2477, 0.2938



66.9997, 0.2694, 0.2720



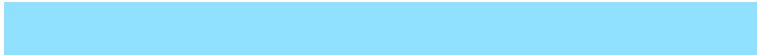
66.9997, 0.3823, 0.3584



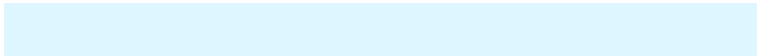
66.9997, 0.3555, 0.3900

Sweetspot

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



67.0023, 0.2477, 0.2938



88.6566, 0.2925, 0.3198



80.4978, 0.2921, 0.4284



18.5918, 0.2891, 0.3182



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.



67.0023, 0.2477, 0.2938



62.1156, 0.2368, 0.2856



41.8935, 0.2359, 0.2250



19.6013, 0.2980, 0.3224



22.3854, 0.1996, 0.2384



2.3608, 0.2028, 0.2500

Inverse Universe

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



46.6679, 0.3442, 0.2478



40.3986, 0.3526, 0.2333



79.3794, 0.3881, 0.4144



18.2116, 0.3180, 0.3118



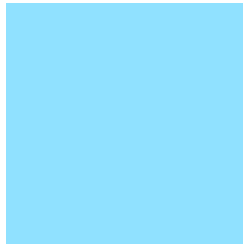
12.9878, 0.4039, 0.1999



1.2829, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 66.9997, 0.2477, 0.2938 looks on a white background.

Color Contrast Check

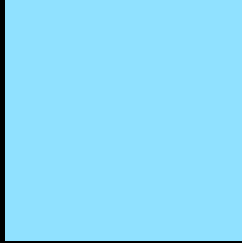
Large Text (above 18pt) WCAG AA × Fail

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 66.9997, 0.2477, 0.2938 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 66.9997, 0.2477, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 66.9997, 0.2477, 0.2938.

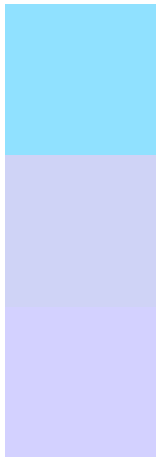


This preview shows how white text looks on a background with the Yxy color 66.9997, 0.2477, 0.2938.

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

66.9997, 0.2477, 0.2938

Protanopia

66.5078, 0.2871, 0.2908

Deuteranopia

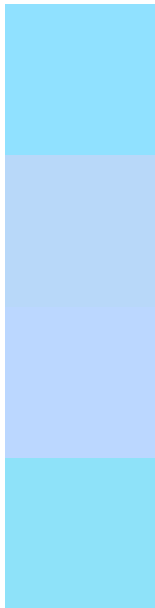
66.6698, 0.2842, 0.2798



Tritanopia

67.1935, 0.2513, 0.3074

Trichromacy



Original Color

66.9997, 0.2477, 0.2938

Protanomaly

66.1416, 0.2709, 0.2917

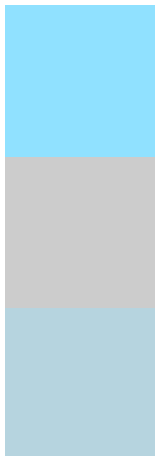
Deuteranomaly

66.3857, 0.2693, 0.2845

Tritanomaly

66.9830, 0.2497, 0.3016

Monochromacy



Original Color

66.9997, 0.2477, 0.2938

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.3598, 0.2845, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9997, 0.2477, 0.2938 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(144, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 225, 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(144, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.9997, 0.2477, 0.2938 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(144, 225, 255) }
```

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

```
.border{ border-color:rgb(144, 225, 255) }
```

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

Here you see how a box with a 4 pixel rgb(144, 225, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9997, 0.2477, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 225, 255) }
```

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

```
.background{ background-color: rgb(144,  
225, 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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