

# Converting Colors

$Yxy(66.3176, 0.2507, 0.2982)$

Have a look what the booklet for  
Yxy(66.3176, 0.2507, 0.2982)  
contains.

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# Color

**Yxy(66.3244, 0.2507, 0.2982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92E0FA
RGB	146, 224, 250
RGB Percent	57%, 88%, 98%
CMY	0.4277, 0.1215, 0.0195
CMYK	0.42, 0.10, 0.00, 0.02
HSL	195°, 91%, 78%
HSV	195°, 42%, 98%
XYZ	55.7596, 66.3244, 100.3318
YIQ	203.6420, -54.8340, -8.4500

# Conversions

## Conversions Part 2

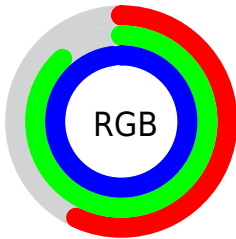
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 191, 250
Decimal	9625850
CIE <sub>Lab</sub>	85.16, -17.48, -20.20
CIE <sub>LCh</sub>	85, 26.713, 229.142
Yxy	66.3244, 0.2507, 0.2982
Android (android.graphics.Color)	4287815930 (0xFF92E0FA)
YUV	203.6420, 22.8545, -50.5520
Hunter-Lab	81.4398, -20.3055, -16.0359

# Details

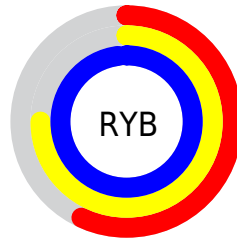
The Yxy color **66.3244, 0.2507, 0.2982** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.8912, 0.4085, 0.3571**, and the grayscale version is **60.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **34.3500, 0.2369, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **60.9837, 0.2380, 0.2894**, and if you desaturate by 10%, it is **72.2947, 0.2646, 0.3065**.

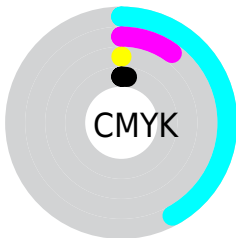
# Distribution



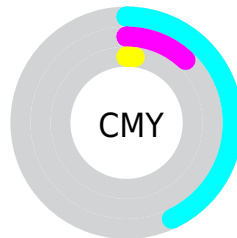
- Red (57%)
- Green (88%)
- Blue (98%)



- Red (57%)
- Yellow (75%)
- Blue (98%)



- Cyan (42%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (43%)
- Magenta (12%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3244, 0.2507, 0.2982 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 66.3244, 0.2507, 0.2982 by changing the saturation by 10% instead.





 66.3244, 0.2507,  
0.2982


 66.3244, 0.2507,  
0.2982


447.5362, 0.2791,  
0.3132

 48.5358, 0.2443,  
0.2946

 113.9518, 0.2605,  
0.3035

 34.2514, 0.2365,  
0.2901


 144.5594, 0.2643,  
0.3056

 23.0868, 0.2266,  
0.2843


180.2088, 0.2676,  
0.3073

 14.6576, 0.2140,  
0.2766

221.2843, 0.2705,  
0.3088

 8.5794, 0.1971,  
0.2657

268.1704, 0.2731,  
0.3101

 4.4679, 0.1739,  
0.2497

321.2515, 0.2753,

 1.9386, 0.1402,

0.3113

380.9120, 0.2773,  
0.3123

0.2241

0.5714, 0.0368,  
0.1804

0.0000, 0.0000,  
0.0000

66.3244, 0.2507,  
0.2982

66.3244, 0.2507,  
0.2982

60.9837, 0.2380,  
0.2894

72.2947, 0.2646,  
0.3065

56.2305, 0.2268,  
0.2802

78.9181, 0.2794,  
0.3143

52.0292, 0.2173,  
0.2709

86.2263, 0.2947,  
0.3215

48.3358, 0.2099,  
0.2614

94.2461, 0.3102,  
0.3280

■ 45.0977, 0.2045,  
0.2520

■ 99.6842, 0.3156,  
0.3337

■ 42.6719, 0.2012,  
0.2443

# Harmonies

## Analogous

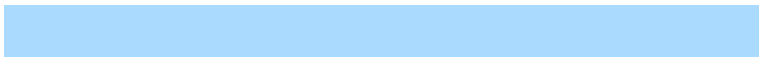
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.3244, 0.2601, 0.3272



66.3244, 0.2507, 0.2982



66.3244, 0.2567, 0.2797

# Triad

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



66.3244, 0.2507, 0.2982



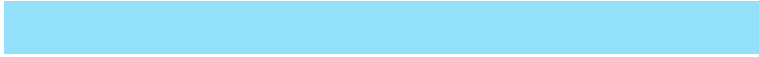
66.3244, 0.3413, 0.3014



66.3244, 0.3472, 0.3883

# Complementary

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



66.3244, 0.2507, 0.2982



51.8912, 0.4085, 0.3571

# 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.



66.3244, 0.3710, 0.3772



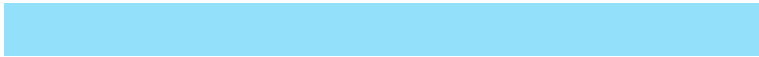
66.3244, 0.2507, 0.2982



66.3244, 0.3680, 0.3270

# Square

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



66.3244, 0.2507, 0.2982



66.3244, 0.3077, 0.2826



66.3244, 0.3790, 0.3544



66.3244, 0.3149, 0.3820



# Rectangle

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



66.3244, 0.2507, 0.2982



66.3244, 0.2688, 0.2747



66.3244, 0.3790, 0.3544



66.3244, 0.3565, 0.3863

# Sweetspot

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



66.3270, 0.2507, 0.2982



89.8678, 0.2941, 0.3212



77.4076, 0.2946, 0.4277



19.0133, 0.2921, 0.3203



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

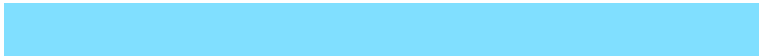


# Same Dimension

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



66.3270, 0.2507, 0.2982



64.6152, 0.2399, 0.2908



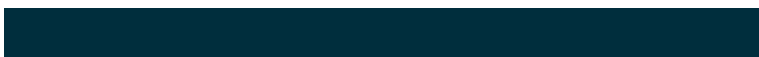
43.1629, 0.2403, 0.2348



18.8306, 0.2980, 0.3229



22.8681, 0.2016, 0.2458



2.2854, 0.2047, 0.2569



# Inverse Universe

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



46.2499, 0.3404, 0.2493



41.9029, 0.3480, 0.2343



74.7913, 0.3860, 0.4076



17.4461, 0.3176, 0.3114



12.7194, 0.3964, 0.1957

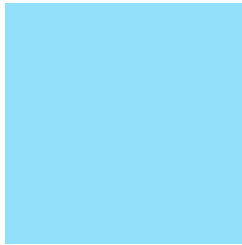


1.1949, 0.3854, 0.1897



# Previews

## White Background



This preview shows how the Yxy color 66.3244, 0.2507, 0.2982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

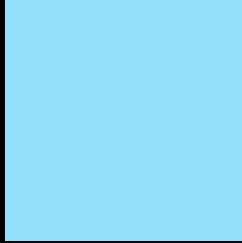
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3244, 0.2507, 0.2982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

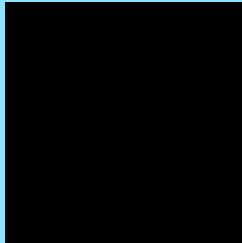
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.3244, 0.2507, 0.2982**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3244, 0.2507, 0.2982.



This preview shows how white text looks on a background with the Yxy color 66.3244, 0.2507, 0.2982.

# 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

66.3244, 0.2507, 0.2982

### Protanopia

65.7095, 0.2901, 0.2948

### Deuteranopia

65.7785, 0.2853, 0.2787



## Tritanopia

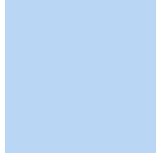
66.2508, 0.2533, 0.3073

# Trichromacy



## Original Color

66.3244, 0.2507, 0.2982



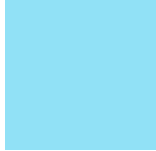
## Protanomaly

65.4468, 0.2742, 0.2960



## Deuteranomaly

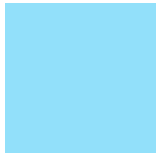
65.3717, 0.2708, 0.2843



## Tritanomaly

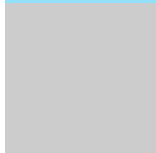
66.5240, 0.2524, 0.3039

# Monochromacy



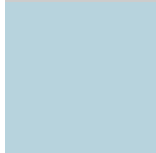
## Original Color

66.3244, 0.2507, 0.2982



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

61.8763, 0.2863, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3244, 0.2507, 0.2982 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(146, 224, 250)` looks like.

```
.text, #text, p{  
    color:rgb(146, 224, 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(146, 224, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 224, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3244, 0.2507, 0.2982 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(146, 224, 250) }
```

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

```
.border{ border-color:rgb(146, 224, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 224, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 224, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 224, 250);  
box-shadow:4px 4px 4px 4px rgb(146, 224,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3244, 0.2507, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 224, 250) }
```

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

```
.background{ background-color: rgb(146,  
224, 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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