

Converting Colors

$Y_{xy}(66.7337, 0.2505, 0.2994)$

Have a look what the booklet for
Yxy(66.7337, 0.2505, 0.2994)
contains.

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Color

Yxy(66.7723, 0.2505, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	91E1FA
RGB	145, 225, 250
RGB Percent	57%, 88%, 98%
CMY	0.4311, 0.1177, 0.0196
CMYK	0.42, 0.10, 0.00, 0.02
HSL	194°, 91%, 77%
HSV	194°, 42%, 98%
XYZ	55.8666, 66.7723, 100.3815
YIQ	203.9300, -55.7050, -9.1850

Conversions

Conversions Part 2

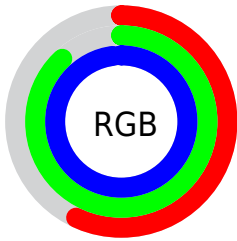
Format	Color
RYB	145, 190, 250
Decimal	9560570
CIELab	85.39, -18.19, -19.84
CIELCh	85, 26.918, 227.495
Yxy	66.7723, 0.2505, 0.2994
Android (android.graphics.Color)	4287750650 (0xFF91E1FA)
YUV	203.9300, 22.7125, -51.6816
Hunter-Lab	81.7143, -20.9628, -15.6344

Details

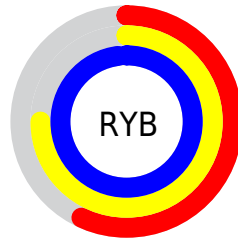
The Yxy color **66.7723, 0.2505, 0.2994** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1504, 0.4102, 0.3560**, and the grayscale version is **60.2290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **34.6744, 0.2368, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **61.5815, 0.2380, 0.2910**, and if you desaturate by 10%, it is **72.5804, 0.2643, 0.3073**.

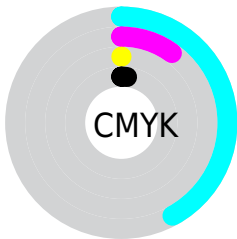
Distribution



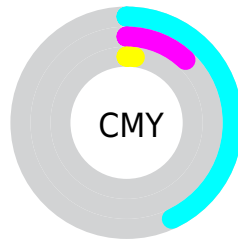
- Red (57%)
- Green (88%)
- Blue (98%)



- 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 66.7723, 0.2505, 0.2994 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 66.7723, 0.2505, 0.2994 by changing the saturation by 10% instead.

66.7723, 0.2505,
0.2994

66.7723, 0.2505,
0.2994

449.1338, 0.2790,
0.3138

48.8996, 0.2441,
0.2959

114.5941, 0.2603,
0.3045

34.5398, 0.2362,
0.2916

145.3120, 0.2641,
0.3065

23.3086, 0.2264,
0.2860

181.0803, 0.2675,
0.3082

14.8216, 0.2138,
0.2785

222.2836, 0.2704,
0.3096

8.6943, 0.1970,
0.2680

269.3062, 0.2729,
0.3109

4.5423, 0.1738,
0.2524

322.5326, 0.2752,

1.9813, 0.1402,

0.3120

0.2275

382.3470, 0.2772,
0.3130

0.5966, 0.0384,
0.1862

0.0000, 0.0000,
0.0000

66.7723, 0.2505,
0.2994

66.7723, 0.2505,
0.2994

61.5815, 0.2380,
0.2910

72.5804, 0.2643,
0.3073

56.9659, 0.2270,
0.2823

79.0293, 0.2790,
0.3148

52.8900, 0.2178,
0.2734

86.1504, 0.2942,
0.3216

49.3097, 0.2106,
0.2645

93.9705, 0.3097,
0.3278

■ 46.1725, 0.2054,
0.2556

■ 99.5424, 0.3156,
0.3336

■ 43.9096, 0.2024,
0.2485

■ 99.6818, 0.3156,
0.3338

Harmonies

Analogous

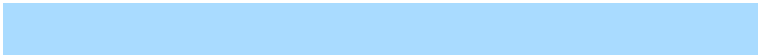
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.7723, 0.2607, 0.3290



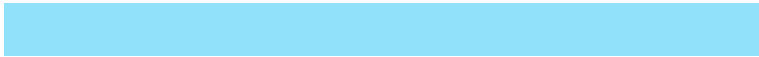
66.7723, 0.2505, 0.2994



66.7723, 0.2557, 0.2801

Triad

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



66.7723, 0.2505, 0.2994



66.7723, 0.3397, 0.3000



66.7723, 0.3490, 0.3884

Complementary

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



66.7723, 0.2505, 0.2994



51.1504, 0.4102, 0.3560

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.



66.7723, 0.3722, 0.3764



66.7723, 0.2505, 0.2994



66.7723, 0.3671, 0.3255

Square

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



66.7723, 0.2505, 0.2994



66.7723, 0.3058, 0.2816



66.7723, 0.3792, 0.3530



66.7723, 0.3168, 0.3832

Rectangle

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



66.7723, 0.2505, 0.2994



66.7723, 0.2674, 0.2746



66.7723, 0.3792, 0.3530



66.7723, 0.3582, 0.3861

Sweetspot

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



66.7749, 0.2505, 0.2994



89.3085, 0.2926, 0.3209



77.2810, 0.2944, 0.4286



18.7537, 0.2892, 0.3195



0.0000, 0.0000, 0.0000



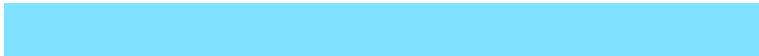
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7749, 0.2505, 0.2994



65.4127, 0.2402, 0.2927



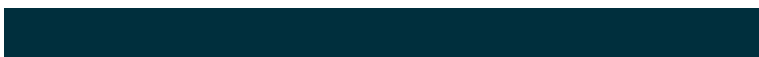
42.8378, 0.2397, 0.2339



18.8663, 0.2980, 0.3232



23.5257, 0.2028, 0.2500



2.3415, 0.2057, 0.2605

Inverse Universe

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



46.0340, 0.3396, 0.2475



41.9834, 0.3465, 0.2330



74.6220, 0.3866, 0.4082



17.4497, 0.3175, 0.3111



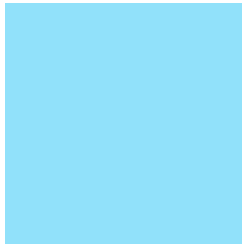
12.7858, 0.3923, 0.1935



1.2006, 0.3819, 0.1878

Previews

White Background



This preview shows how the Yxy color 66.7723, 0.2505, 0.2994 looks on a white background.

Color Contrast Check

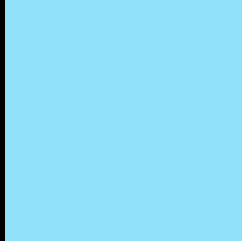
Large Text (above 18pt) WCAG AA × Fail

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 66.7723, 0.2505, 0.2994 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 66.7723, 0.2505, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 66.7723, 0.2505, 0.2994.

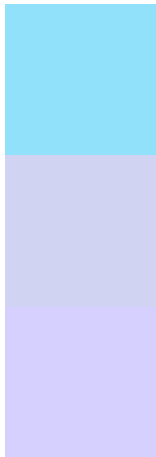


This preview shows how white text looks on a background with the Yxy color 66.7723, 0.2505, 0.2994.

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

66.7723, 0.2505, 0.2994

Protanopia

66.3493, 0.2908, 0.2960

Deuteranopia

66.4136, 0.2861, 0.2799



Tritanopia

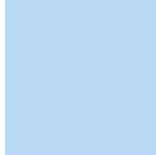
66.7640, 0.2525, 0.3074

Trichromacy



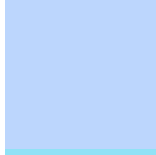
Original Color

66.7723, 0.2505, 0.2994



Protanomaly

65.9577, 0.2743, 0.2972



Deuteranomaly

65.8763, 0.2709, 0.2855



Tritanomaly

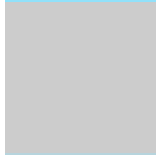
66.9758, 0.2521, 0.3051

Monochromacy



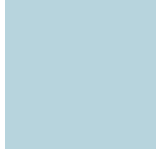
Original Color

66.7723, 0.2505, 0.2994



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.3747, 0.2864, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7723, 0.2505, 0.2994 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(145, 225, 250)` looks like.

```
.text, #text, p{  
    color:rgb(145, 225, 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(145, 225, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 225, 250) }
```

Border

The CSS property to change the border of an element to Yxy 66.7723, 0.2505, 0.2994 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(145, 225, 250) }
```

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

```
.border{ border-color:rgb(145, 225, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 225, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 225, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 225, 250); box-shadow:4px 4px 4px 4px rgb(145, 225, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7723, 0.2505, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 225, 250) }
```

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

```
.background{ background-color: rgb(145,  
225, 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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