

Converting Colors

$Y_{xy}(66.1962, 0.2474, 0.3009)$

Have a look what the booklet for
Yxy(66.1962, 0.2474, 0.3009)
contains.

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Color

Yxy(66.0083, 0.2472, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	89E1F9
RGB	137, 225, 249
RGB Percent	54%, 88%, 98%
CMY	0.4624, 0.1177, 0.0234
CMYK	0.45, 0.10, 0.00, 0.02
HSL	193°, 90%, 76%
HSV	193°, 45%, 98%
XYZ	54.3546, 66.0083, 99.5182
YIQ	201.4240, -60.1520, -11.1920

Conversions

Conversions Part 2

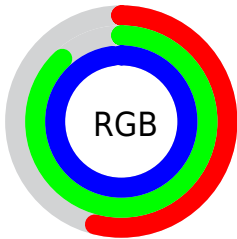
Format	Color
RYB	137, 186, 249
Decimal	9036281
CIELab	85.00, -20.33, -19.95
CIELCh	85, 28.485, 224.469
Yxy	66.0083, 0.2472, 0.3002
Android (android.graphics.Color)	4287226361 (0xFF89E1F9)
YUV	201.4240, 23.4550, -56.4998
Hunter-Lab	81.2455, -22.7601, -15.7529

Details

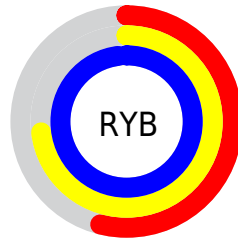
The Yxy color **66.0083, 0.2472, 0.3002** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4899, 0.4214, 0.3551**, and the grayscale version is **58.5798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **34.2194, 0.2320, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **61.2954, 0.2354, 0.2926**, and if you desaturate by 10%, it is **71.3025, 0.2604, 0.3074**.

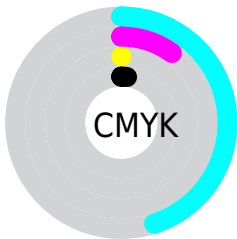
Distribution



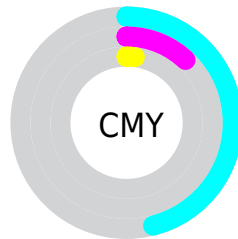
- Red (54%)
- Green (88%)
- Blue (98%)



- Red (54%)
- Yellow (73%)
- Blue (98%)



- Cyan (45%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)




- Cyan (46%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.0083, 0.2472, 0.3002 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 66.0083, 0.2472, 0.3002 by changing the saturation by 10% instead.

 66.0083, 0.2472,
0.3002


 66.0083, 0.2472,
0.3002


446.4066, 0.2772,
0.3144

 48.2791, 0.2405,
0.2968

 113.4982, 0.2575,
0.3053

 34.0480, 0.2322,
0.2925

 144.0278, 0.2616,
0.3072

 22.9305, 0.2218,
0.2868


179.5930, 0.2651,
0.3089

 14.5422, 0.2085,
0.2793

220.5781, 0.2681,
0.3103

 8.4987, 0.1909,
0.2687

267.3677, 0.2708,
0.3115

 4.4157, 0.1666,
0.2529

320.3460, 0.2732,

 1.9087, 0.1317,

0.3126

0.2273

379.8975, 0.2753,
0.3135

■ 0.5536, 0.0100,
0.1849

■ 0.0000, 0.0000,
0.0000

■ 66.0083, 0.2472,
0.3002

■ 66.0083, 0.2472,
0.3002

■ 61.2954, 0.2354,
0.2926

■ 71.3025, 0.2604,
0.3074

■ 57.1216, 0.2252,
0.2848

■ 77.2020, 0.2747,
0.3143

■ 53.4504, 0.2170,
0.2768

■ 83.7381, 0.2897,
0.3206

■ 50.2365, 0.2107,
0.2688

■ 90.9377, 0.3050,
0.3263

■ 47.4242, 0.2064,
0.2609

■ 97.5510, 0.3164,
0.3316

■ 46.1153, 0.2047,
0.2570

■ 99.6211, 0.3162,
0.3347

Harmonies

Analogous

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



66.0083, 0.2596, 0.3323



66.0083, 0.2472, 0.3002



66.0083, 0.2511, 0.2785

Triad

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



66.0083, 0.2472, 0.3002



66.0083, 0.3378, 0.2959



66.0083, 0.3542, 0.3916

Complementary

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



66.0083, 0.2472, 0.3002



47.4899, 0.4214, 0.3551

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.



66.0083, 0.3775, 0.3770



66.0083, 0.2472, 0.3002



66.0083, 0.3682, 0.3222

Square

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



66.0083, 0.2472, 0.3002



66.0083, 0.3017, 0.2775



66.0083, 0.3830, 0.3514



66.0083, 0.3205, 0.3882

Rectangle

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



66.0083, 0.2472, 0.3002



66.0083, 0.2624, 0.2719



66.0083, 0.3830, 0.3514



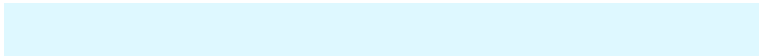
66.0083, 0.3636, 0.3885

Sweetspot

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



66.0108, 0.2472, 0.3002



89.7873, 0.2926, 0.3217



75.6134, 0.2953, 0.4420



18.8728, 0.2892, 0.3204



0.0000, 0.0000, 0.0000



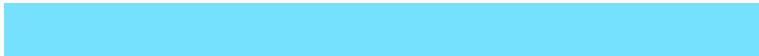
21.4041, 0.3127, 0.3290

Same Dimension

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



66.0108, 0.2472, 0.3002



65.1042, 0.2364, 0.2933



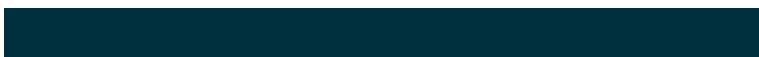
41.1706, 0.2350, 0.2307



18.9387, 0.2980, 0.3238



24.8955, 0.2051, 0.2582



2.4576, 0.2077, 0.2677

Inverse Universe

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



43.4984, 0.3395, 0.2397



39.5122, 0.3468, 0.2236



70.7818, 0.3941, 0.4102



17.4570, 0.3171, 0.3106



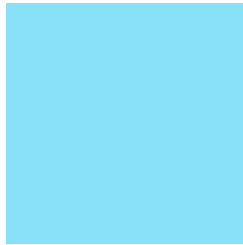
12.9241, 0.3841, 0.1890



1.2123, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 66.0083, 0.2472, 0.3002 looks on a white background.

Color Contrast Check

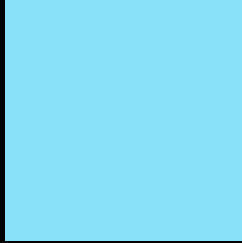
Large Text (above 18pt) WCAG AA × Fail

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 66.0083, 0.2472, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

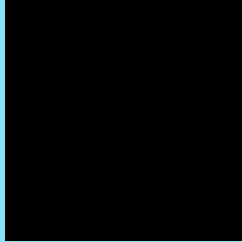
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.0083, 0.2472, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 66.0083, 0.2472, 0.3002.

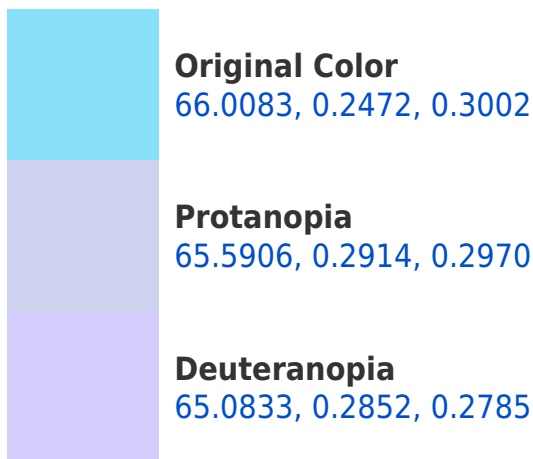


This preview shows how white text looks on a background with the Yxy color 66.0083, 0.2472, 0.3002.

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

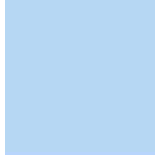
66.1586, 0.2492, 0.3072

Trichromacy



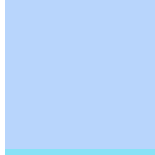
Original Color

66.0083, 0.2472, 0.3002



Protanomaly

65.0170, 0.2729, 0.2969



Deuteranomaly

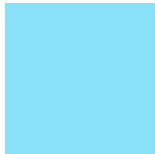
64.8071, 0.2689, 0.2851



Tritanomaly

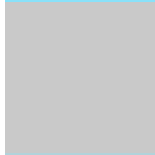
66.2808, 0.2483, 0.3049

Monochromacy



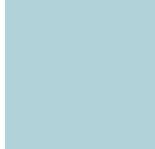
Original Color

66.0083, 0.2472, 0.3002



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.6201, 0.2847, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0083, 0.2472, 0.3002 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, 225, 249)` looks like.

```
.text, #text, p{  
    color:rgb(137, 225, 249)  
}
```

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, 225, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 225, 249) }
```

Border

The CSS property to change the border of an element to Yxy 66.0083, 0.2472, 0.3002 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, 225, 249) }
```

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

```
.border{ border-color:rgb(137, 225, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 225, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 225, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 225, 249);  
box-shadow:4px 4px 4px 4px rgb(137, 225,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0083, 0.2472, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 225, 249) }
```

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

```
.background{ background-color: rgb(137,  
225, 249) }
```

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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