

# Converting Colors

$Yxy(61.3295, 0.2476, 0.2890)$

Have a look what the booklet for  
Yxy(61.3295, 0.2476, 0.2890)  
contains.

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# Color

**Yxy(61.1912, 0.2474, 0.2881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ED7F9
RGB	142, 215, 249
RGB Percent	56%, 84%, 98%
CMY	0.4433, 0.1568, 0.0236
CMYK	0.43, 0.14, 0.00, 0.02
HSL	199°, 90%, 77%
HSV	199°, 43%, 98%
XYZ	52.5467, 61.1912, 98.6578
YIQ	197.0490, -54.4220, -4.9020

# Conversions

## Conversions Part 2

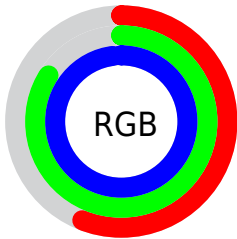
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">142, 185, 249</a>
Decimal	<a href="#">9361401</a>
CIELab	<a href="#">82.48, -14.12, -23.74</a>
CIElCh	<a href="#">82, 27.620, 239.250</a>
Yxy	<a href="#">61.1912, 0.2474, 0.2881</a>
Android (android.graphics.Color)	<a href="#">4287551481 (0xFF8ED7F9)</a>
YUV	<a href="#">197.0490, 25.6118, -48.2780</a>
Hunter-Lab	<a href="#">78.2248, -16.9879, -20.0197</a>

# Details

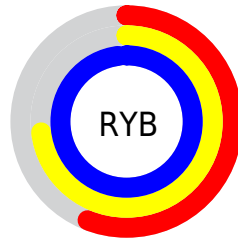
The Yxy color **61.1912, 0.2474, 0.2881** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.1131, 0.4093, 0.3656**, and the grayscale version is **55.7278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **30.8787, 0.2323, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **55.3036, 0.2340, 0.2766**, and if you desaturate by 10%, it is **67.7698, 0.2619, 0.2989**.

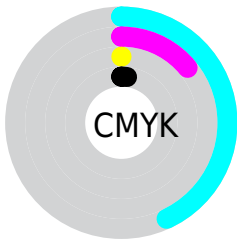
# Distribution



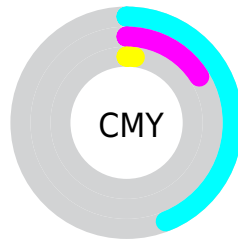
- Red (56%)
- Green (84%)
- Blue (98%)



- Red (56%)
- Yellow (73%)
- Blue (98%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (44%)
- Magenta (16%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1912, 0.2474, 0.2881 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 61.1912, 0.2474, 0.2881 by changing the saturation by 10% instead.



61.1912, 0.2474,  
0.2881

61.1912, 0.2474,  
0.2881

428.9747, 0.2777,  
0.3080

44.3795, 0.2405,  
0.2834

106.5557, 0.2579,  
0.2952

30.9690, 0.2320,  
0.2774

135.8773, 0.2620,  
0.2979

20.5752, 0.2213,  
0.2698

170.1377, 0.2655,  
0.3002

12.8139, 0.2075,  
0.2596

209.7212, 0.2686,  
0.3022

7.3005, 0.1891,  
0.2454

255.0123, 0.2713,  
0.3039

3.6507, 0.1634,  
0.2246

306.3953, 0.2737,

1.4802, 0.1264,

0.3054

0.1918

364.2546, 0.2758,  
0.3068

0.2747, 0.0000,  
0.1051

0.0000, 0.0000,  
0.0000

61.1912, 0.2474,  
0.2881

61.1912, 0.2474,  
0.2881

55.3036, 0.2340,  
0.2766

67.7698, 0.2619,  
0.2989

50.0640, 0.2221,  
0.2647

75.0651, 0.2770,  
0.3090

45.4349, 0.2119,  
0.2525

83.1096, 0.2925,  
0.3183

41.3703, 0.2037,  
0.2402

91.9318, 0.3081,  
0.3267

■ 37.8152, 0.1976,  
0.2281

■ 99.3221, 0.3162,  
0.3343

■ 35.5714, 0.1944,  
0.2198

■ 99.6192, 0.3162,  
0.3347

# Harmonies

## Analogous

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



61.1912, 0.2518, 0.3157



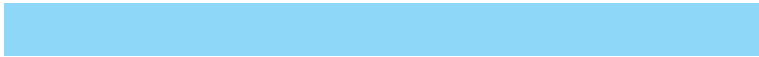
61.1912, 0.2474, 0.2881



61.1912, 0.2591, 0.2733

# Triad

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



61.1912, 0.2474, 0.2881



61.1912, 0.3540, 0.3083



61.1912, 0.3382, 0.3921

# Complementary

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



61.1912, 0.2474, 0.2881



53.1131, 0.4093, 0.3656

# 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.



61.1912, 0.3676, 0.3858



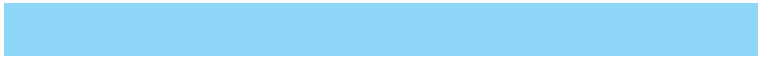
61.1912, 0.2474, 0.2881



61.1912, 0.3776, 0.3366

# Square

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



61.1912, 0.2474, 0.2881



61.1912, 0.3195, 0.2855



61.1912, 0.3825, 0.3648



61.1912, 0.3031, 0.3789



# Rectangle

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



61.1912, 0.2474, 0.2881



61.1912, 0.2749, 0.2714



61.1912, 0.3825, 0.3648



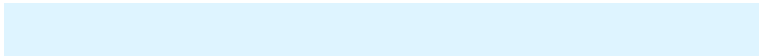
61.1912, 0.3491, 0.3920

# Sweetspot

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



61.1935, 0.2474, 0.2881



87.7147, 0.2925, 0.3182



76.6223, 0.2896, 0.4199



18.3580, 0.2891, 0.3163



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

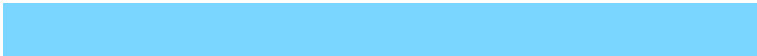


# Same Dimension

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



61.1935, 0.2474, 0.2881



58.9290, 0.2352, 0.2777



38.2765, 0.2359, 0.2197



18.6248, 0.2980, 0.3213



19.3089, 0.1949, 0.2217



1.9789, 0.1989, 0.2360



# Inverse Universe

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



44.3767, 0.3485, 0.2535



40.0769, 0.3591, 0.2389



78.3331, 0.3848, 0.4182



17.4253, 0.3187, 0.3129



12.3601, 0.4214, 0.2095

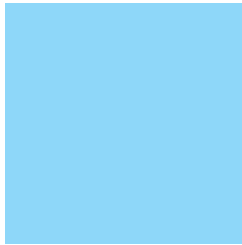


1.1640, 0.4064, 0.2012



# Previews

## White Background



This preview shows how the Yxy color 61.1912, 0.2474, 0.2881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

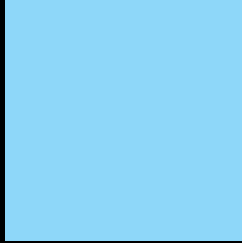
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.1912, 0.2474, 0.2881 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

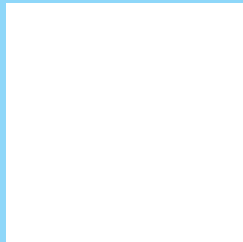
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.1912, 0.2474, 0.2881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1912, 0.2474, 0.2881.



This preview shows how white text looks on a background with the Yxy color 61.1912, 0.2474, 0.2881.

# 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

61.1912, 0.2474, 0.2881

### Protanopia

60.9331, 0.2829, 0.2861

### Deuteranopia

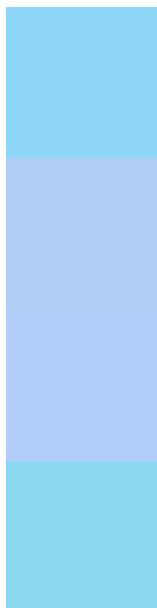
60.6162, 0.2780, 0.2716



## Tritanopia

61.0271, 0.2527, 0.3066

# Trichromacy



## Original Color

61.1912, 0.2474, 0.2881

## Protanomaly

60.5044, 0.2684, 0.2860

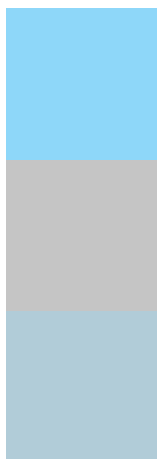
## Deuteranomaly

60.2114, 0.2654, 0.2763

## Tritanomaly

60.8920, 0.2505, 0.2995

# Monochromacy



## Original Color

61.1912, 0.2474, 0.2881

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

57.4907, 0.2849, 0.3143

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1912, 0.2474, 0.2881 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(142, 215, 249)` looks like.

```
.text, #text, p{  
    color:rgb(142, 215, 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(142, 215, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 215, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1912, 0.2474, 0.2881 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(142, 215, 249) }
```

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

```
.border{ border-color:rgb(142, 215, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 215, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 215, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 215, 249);  
box-shadow:4px 4px 4px 4px rgb(142, 215,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1912, 0.2474, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 215, 249) }
```

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

```
.background{ background-color: rgb(142,  
215, 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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