

# Converting Colors

$Yxy(60.6747, 0.2557, 0.2940)$

Have a look what the booklet for  
Yxy(60.6747, 0.2557, 0.2940)  
contains.

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# **Color**

**Yxy(60.6747, 0.2557, 0.2940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98D5F2
RGB	152, 213, 242
RGB Percent	60%, 84%, 95%
CMY	0.4039, 0.1647, 0.0510
CMYK	0.37, 0.12, 0.00, 0.05
HSL	199°, 78%, 77%
HSV	199°, 37%, 95%
XYZ	52.7705, 60.6747, 92.9314
YIQ	198.0670, -45.6650, -3.9130

# Conversions

## Conversions Part 2

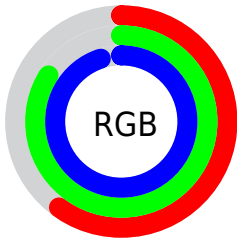
Format	Color
R <sub>Y</sub> B	152, 188, 242
Decimal	10016242
CIE Lab	82.20, -12.34, -20.40
CIE LCh	82, 23.840, 238.821
Yxy	60.6747, 0.2557, 0.2940
Android (android.graphics.Color)	4288206322 (0xFF98D5F2)
YUV	198.0670, 21.6590, -40.4008
Hunter-Lab	77.8940, -15.3868, -16.2101

# Details

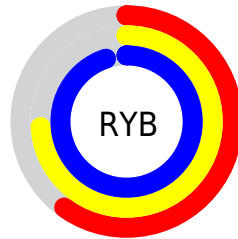
The Yxy color **60.6747, 0.2557, 0.2940** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1935, 0.3919, 0.3611**, and the grayscale version is **56.4037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **30.5403, 0.2420, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **54.7464, 0.2416, 0.2827**, and if you desaturate by 10%, it is **67.2727, 0.2706, 0.3046**.

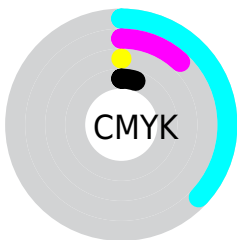
# Distribution



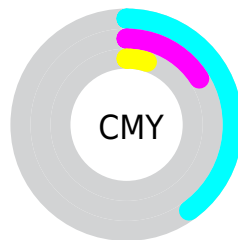
- Red (60%)
- Green (84%)
- Blue (95%)



- Red (60%)
- Yellow (74%)
- Blue (95%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (40%)
- Magenta (16%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.6747, 0.2557, 0.2940 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 60.6747, 0.2557, 0.2940 by changing the saturation by 10% instead.



60.6747, 0.2557,  
0.2940

60.6747, 0.2557,  
0.2940

427.0802, 0.2823,  
0.3110

43.9627, 0.2496,  
0.2899

105.8078, 0.2650,  
0.3001

30.6412, 0.2420,  
0.2848

134.9977, 0.2686,  
0.3024

20.3258, 0.2325,  
0.2782

169.1156, 0.2717,  
0.3044

12.6321, 0.2200,  
0.2693

208.5460, 0.2744,  
0.3061

7.1757, 0.2031,  
0.2568

253.6733, 0.2767,  
0.3075

3.5722, 0.1792,  
0.2382

304.8818, 0.2788,

1.4373, 0.1435,

0.3088

0.2082

362.5560, 0.2807,  
0.3100

0.2439, 0.0000,  
0.1143

0.0000, 0.0000,  
0.0000

60.6747, 0.2557,  
0.2940

60.6747, 0.2557,  
0.2940

54.7464, 0.2416,  
0.2827

67.2727, 0.2706,  
0.3046

49.4488, 0.2287,  
0.2709

74.5626, 0.2861,  
0.3143

44.7494, 0.2174,  
0.2586

82.5739, 0.3016,  
0.3232

40.6087, 0.2080,  
0.2462

91.3322, 0.3170,  
0.3312

■ 36.9808, 0.2006,  
0.2338

■ 97.2847, 0.3205,  
0.3386

■ 33.8070, 0.1953,  
0.2216

■ 99.1906, 0.3203,  
0.3415

■ 32.9706, 0.1940,  
0.2182

# Harmonies

## Analogous

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



60.6747, 0.2599, 0.3182



60.6747, 0.2557, 0.2940



60.6747, 0.2658, 0.2806

# Triad

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



60.6747, 0.2557, 0.2940



60.6747, 0.3481, 0.3107



60.6747, 0.3355, 0.3833

# Complementary

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



60.6747, 0.2557, 0.2940



54.1935, 0.3919, 0.3611

# 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.



60.6747, 0.3607, 0.3781



60.6747, 0.2557, 0.2940



60.6747, 0.3685, 0.3356

# Square

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



60.6747, 0.2557, 0.2940



60.6747, 0.3183, 0.2908



60.6747, 0.3731, 0.3601



60.6747, 0.3050, 0.3721



# Rectangle

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



60.6747, 0.2557, 0.2940



60.6747, 0.2796, 0.2787



60.6747, 0.3731, 0.3601



60.6747, 0.3449, 0.3834

# Sweetspot

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



60.6771, 0.2557, 0.2940



89.4313, 0.2956, 0.3199



73.4950, 0.2922, 0.4053



18.8783, 0.2935, 0.3187



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

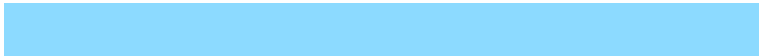


# Same Dimension

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



60.6771, 0.2557, 0.2940



62.9741, 0.2444, 0.2851



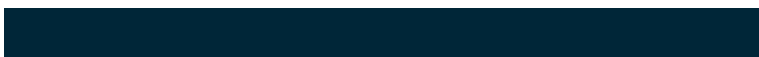
41.2800, 0.2475, 0.2372



17.0202, 0.2981, 0.3212



17.9707, 0.1945, 0.2202



1.6743, 0.1990, 0.2362



# Inverse Universe

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



46.1407, 0.3426, 0.2641



45.1527, 0.3514, 0.2506



75.2651, 0.3745, 0.4064



15.9397, 0.3187, 0.3131



11.6075, 0.4230, 0.2104

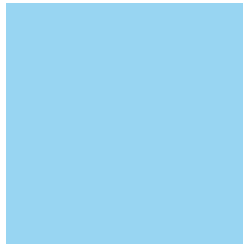


0.9837, 0.4062, 0.2011



# Previews

## White Background



This preview shows how the Yxy color 60.6747, 0.2557, 0.2940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

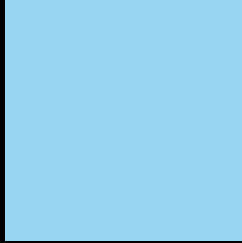
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.6747, 0.2557, 0.2940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

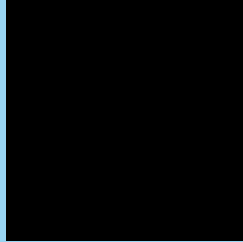
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.6747, 0.2557, 0.2940**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.6747, 0.2557, 0.2940.



This preview shows how white text looks on a background with the Yxy color 60.6747, 0.2557, 0.2940.

# 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

60.6747, 0.2557, 0.2940

### Protanopia

60.2450, 0.2873, 0.2914

### Deuteranopia

60.1359, 0.2843, 0.2779



## Tritanopia

60.8166, 0.2596, 0.3080

# Trichromacy



**Original Color**

60.6747, 0.2557, 0.2940

**Protanomaly**

60.1394, 0.2743, 0.2916

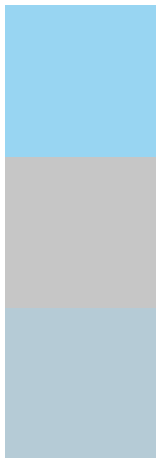
**Deuteranomaly**

59.9077, 0.2725, 0.2830

**Tritanomaly**

60.6333, 0.2579, 0.3021

# Monochromacy



**Original Color**

60.6747, 0.2557, 0.2940

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.3907, 0.2889, 0.3156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.6747, 0.2557, 0.2940 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(152, 213, 242)` looks like.

```
.text, #text, p{  
    color:rgb(152, 213, 242)  
}
```

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(152, 213, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 213, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 60.6747, 0.2557, 0.2940 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(152, 213, 242) }
```

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

```
.border{ border-color:rgb(152, 213, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 213, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 213, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 213, 242);  
box-shadow:4px 4px 4px 4px rgb(152, 213,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.6747, 0.2557, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 213, 242) }
```

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

```
.background{ background-color: rgb(152,  
213, 242) }
```

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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