

# Converting Colors

$Yxy(53.5658, 0.2334, 0.2729)$

Have a look what the booklet for  
Yxy(53.5658, 0.2334, 0.2729)  
contains.

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# Color

**Yxy(53.7449, 0.2336, 0.2737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75CCF8
RGB	117, 204, 248
RGB Percent	46%, 80%, 97%
CMY	0.5411, 0.2000, 0.0275
CMYK	0.53, 0.18, 0.00, 0.03
HSL	200°, 90%, 72%
HSV	200°, 53%, 97%
XYZ	45.8707, 53.7449, 96.7487
YIQ	183.0030, -65.9760, -4.7600

# Conversions

## Conversions Part 2

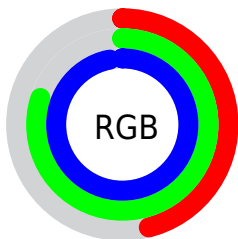
Format	Color
R <sub>Y</sub> B	117, 169, 248
Decimal	7720184
CIE Lab	78.31, -14.33, -29.67
CIE LCh	78, 32.945, 244.226
Yxy	53.7449, 0.2336, 0.2737
Android (android.graphics.Color)	4285910264 (0xFF75CCF8)
YUV	183.0030, 32.0435, -57.8846
Hunter-Lab	73.3109, -16.6065, -26.9276

# Details

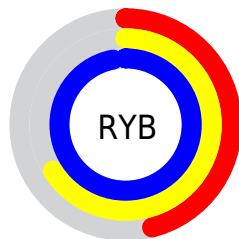
The Yxy color **53.7449, 0.2336, 0.2737** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.7250, 0.4395, 0.3757**, and the grayscale version is **47.2060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **26.3312, 0.2149, 0.2598** is the 20% darker color. If you saturate the color by 10%, you get **48.3971, 0.2214, 0.2610**, and if you desaturate by 10%, it is **59.7633, 0.2473, 0.2859**.

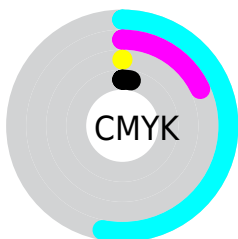
# Distribution



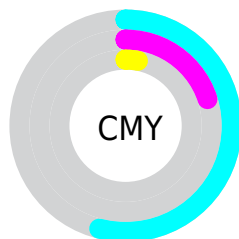
- Red (46%)
- Green (80%)
- Blue (97%)



- Red (46%)
- Yellow (66%)
- Blue (97%)



- Cyan (53%)
- Magenta (18%)
- Yellow (0%)
- Black (3%)




- Cyan (54%)
- Magenta (20%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7449, 0.2336, 0.2737 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 53.7449, 0.2336, 0.2737 by changing the saturation by 10% instead.





 53.7449, 0.2336,  
0.2737

 53.7449, 0.2336,  
0.2737


401.1365, 0.2708,  
0.3009

 38.3978, 0.2251,  
0.2671


 95.6996, 0.2466,  
0.2834

 26.2915, 0.2145,  
0.2589


 123.0759, 0.2516,  
0.2871

 17.0419, 0.2012,  
0.2483


 155.2308, 0.2559,  
0.2903

 10.2643, 0.1841,  
0.2340

192.5485, 0.2597,  
0.2930

 5.5746, 0.1612,  
0.2143

235.4136, 0.2630,  
0.2954

 2.5882, 0.1300,  
0.1857

284.2103, 0.2659,

 0.9207, 0.0815,

0.2974

0.1430

339.3232, 0.2685,  
0.2993

0.0000, 0.0000,  
0.0000

53.7449, 0.2336,  
0.2737

53.7449, 0.2336,  
0.2737

48.3971, 0.2214,  
0.2610

59.7633, 0.2473,  
0.2859

43.6737, 0.2109,  
0.2480

66.4821, 0.2619,  
0.2973

39.5311, 0.2024,  
0.2350

73.9364, 0.2772,  
0.3080

35.9142, 0.1960,  
0.2222

82.1564, 0.2928,  
0.3178

33.5828, 0.1925,  
0.2131

91.1706, 0.3084,  
0.3267

98.8991, 0.3168,  
0.3347

99.5563, 0.3168,  
0.3357

# Harmonies

## Analogous

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



53.7449, 0.2356, 0.3052



53.7449, 0.2336, 0.2737



53.7449, 0.2508, 0.2591

# Triad

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



53.7449, 0.2336, 0.2737



53.7449, 0.3703, 0.3086



53.7449, 0.3367, 0.4074

# Complementary

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



53.7449, 0.2336, 0.2737



46.7250, 0.4395, 0.3757

# 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.



53.7449, 0.3754, 0.4021



53.7449, 0.2336, 0.2737



53.7449, 0.3965, 0.3434

# Square

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



53.7449, 0.2336, 0.2737



53.7449, 0.3283, 0.2796



53.7449, 0.3980, 0.3774



53.7449, 0.2932, 0.3872



# Rectangle

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



53.7449, 0.2336, 0.2737



53.7449, 0.2717, 0.2591



53.7449, 0.3980, 0.3774



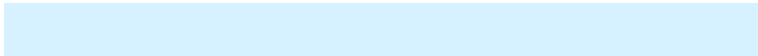
53.7449, 0.3507, 0.4084

# Sweetspot

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



53.7469, 0.2336, 0.2737



84.6344, 0.2878, 0.3148



73.4690, 0.2849, 0.4425



17.7260, 0.2846, 0.3128



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.



53.7469, 0.2336, 0.2737



51.4170, 0.2210, 0.2607



28.9784, 0.2159, 0.1869



18.5691, 0.2980, 0.3208



18.4135, 0.1931, 0.2151



1.9008, 0.1973, 0.2303



# Inverse Universe

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



37.0389, 0.3626, 0.2400



33.5474, 0.3767, 0.2264



75.7152, 0.4005, 0.4385



17.4197, 0.3190, 0.3134



12.2698, 0.4285, 0.2134

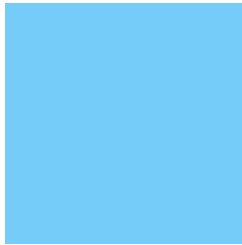


1.1561, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 53.7449, 0.2336, 0.2737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

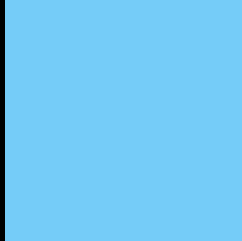
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7449, 0.2336, 0.2737 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

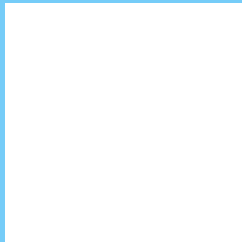
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.7449, 0.2336, 0.2737**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7449, 0.2336, 0.2737.



This preview shows how white text looks on a background with the Yxy color 53.7449, 0.2336, 0.2737.

# 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

53.7449, 0.2336, 0.2737

### Protanopia

53.3174, 0.2721, 0.2724

### Deuteranopia

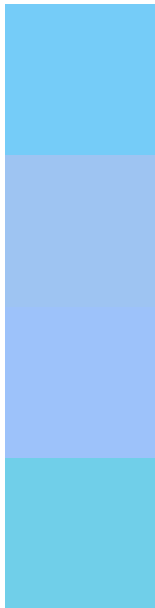
53.0635, 0.2641, 0.2574



## Tritanopia

53.7992, 0.2417, 0.3063

# Trichromacy



**Original Color**

53.7449, 0.2336, 0.2737

**Protanomaly**

53.1598, 0.2562, 0.2731

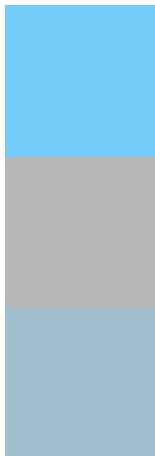
**Deuteranomaly**

52.6538, 0.2509, 0.2619

**Tritanomaly**

53.9536, 0.2390, 0.2951

# Monochromacy



**Original Color**

53.7449, 0.2336, 0.2737

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

49.1375, 0.2770, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7449, 0.2336, 0.2737 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(117, 204, 248)` looks like.

```
.text, #text, p{  
    color:rgb(117, 204, 248)  
}
```

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(117, 204, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 204, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7449, 0.2336, 0.2737 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(117, 204, 248) }
```

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

```
.border{ border-color:rgb(117, 204, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 204, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 204, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 204, 248); box-shadow:4px 4px 4px 4px rgb(117, 204, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7449, 0.2336, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 204, 248) }
```

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

```
.background{ background-color: rgb(117,  
204, 248) }
```

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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