

# Converting Colors

Yxy(53.4286, 0.2547, 0.2764)

Have a look what the booklet for  
Yxy(53.4286, 0.2547, 0.2764)  
contains.

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# Color

**Yxy(53.6091, 0.2547, 0.2764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AC6F1
RGB	154, 198, 241
RGB Percent	60%, 78%, 95%
CMY	0.3959, 0.2235, 0.0550
CMYK	0.36, 0.18, 0.00, 0.05
HSL	210°, 76%, 77%
HSV	210°, 36%, 95%
XYZ	49.4003, 53.6091, 90.9454
YIQ	189.7460, -40.0270, 4.0450

# Conversions

## Conversions Part 2

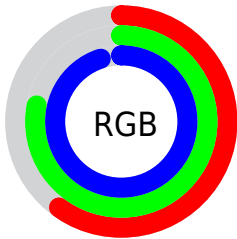
Format	Color
<b>RYB</b>	154, 183, 241
Decimal	10143473
CIELab	78.23, -4.17, -25.88
CIELCh	78, 26.215, 260.845
Yxy	53.6091, 0.2547, 0.2764
Android (android.graphics.Color)	4288333553 (0xFF9AC6F1)
YUV	189.7460, 25.2682, -31.3492
Hunter-Lab	73.2182, -7.6981, -22.3922

# Details

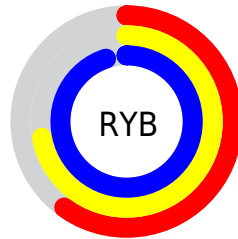
The Yxy color **53.6091, 0.2547, 0.2764** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.9736, 0.3829, 0.3761**, and the grayscale version is **51.2131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **26.1019, 0.2396, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **46.2446, 0.2386, 0.2587**, and if you desaturate by 10%, it is **61.8808, 0.2711, 0.2929**.

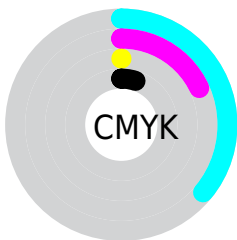
# Distribution



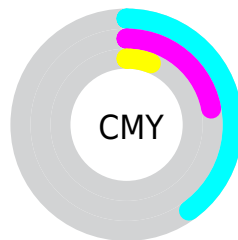
- Red (60%)
- Green (78%)
- Blue (95%)



- Red (60%)
- Yellow (72%)
- Blue (95%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (40%)
- Magenta (22%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6091, 0.2547, 0.2764 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 53.6091, 0.2547, 0.2764 by changing the saturation by 10% instead.



■ 53.6091, 0.2547,  
0.2764

■ 53.6091, 0.2547,  
0.2764

400.6176, 0.2824,  
0.3019

■ 38.2892, 0.2482,  
0.2703

■ 95.5001, 0.2645,  
0.2854

■ 26.2072, 0.2401,  
0.2628

■ 122.8399, 0.2682,  
0.2889

■ 16.9787, 0.2298,  
0.2530

154.9553, 0.2714,  
0.2918

■ 10.2193, 0.2161,  
0.2400

192.2305, 0.2742,  
0.2944

■ 5.5446, 0.1974,  
0.2219

235.0499, 0.2767,  
0.2966

■ 2.5702, 0.1706,  
0.1956

283.7980, 0.2788,

■ 0.9117, 0.1297,

0.2986

0.1547

338.8591, 0.2807,  
0.3003

0.0000, 0.0000,  
0.0000

53.6091, 0.2547,  
0.2764

53.6091, 0.2547,  
0.2764

46.2446, 0.2386,  
0.2587

61.8808, 0.2711,  
0.2929

39.7428, 0.2232,  
0.2399

71.0891, 0.2875,  
0.3079

34.0639, 0.2091,  
0.2206

81.2696, 0.3034,  
0.3215

29.1615, 0.1969,  
0.2010

92.4539, 0.3186,  
0.3336

24.9831, 0.1869,  
0.1819

99.1296, 0.3209,  
0.3425

■ 21.4651, 0.1794,  
0.1637

■ 20.2304, 0.1769,  
0.1569

# Harmonies

## Analogous

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



53.6091, 0.2475, 0.2950



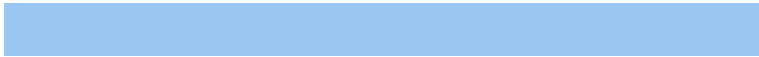
53.6091, 0.2547, 0.2764



53.6091, 0.2767, 0.2720

# Triad

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



53.6091, 0.2547, 0.2764



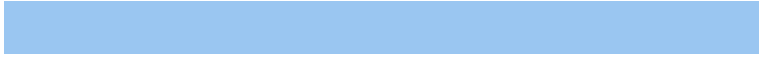
53.6091, 0.3721, 0.3284



53.6091, 0.3129, 0.3841

# Complementary

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



53.6091, 0.2547, 0.2764



60.9736, 0.3829, 0.3761

# 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.



53.6091, 0.3472, 0.3917



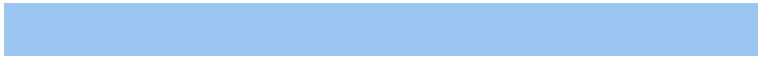
53.6091, 0.2547, 0.2764



53.6091, 0.3826, 0.3571

# Square

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



53.6091, 0.2547, 0.2764



53.6091, 0.3447, 0.3013



53.6091, 0.3731, 0.3807



53.6091, 0.2799, 0.3588



# Rectangle

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



53.6091, 0.2547, 0.2764



53.6091, 0.2977, 0.2767



53.6091, 0.3731, 0.3807



53.6091, 0.3247, 0.3888

# Sweetspot

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



53.6112, 0.2547, 0.2764



86.5319, 0.2955, 0.3149



73.7603, 0.2850, 0.3839



18.1866, 0.2934, 0.3131



0.0000, 0.0000, 0.0000

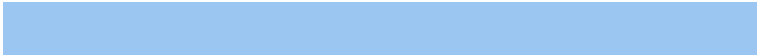


21.4041, 0.3127, 0.3290



# Same Dimension

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



53.6112, 0.2547, 0.2764



54.9477, 0.2433, 0.2640



36.8298, 0.2471, 0.2219



16.5498, 0.2980, 0.3170



11.2432, 0.1777, 0.1597



1.1344, 0.1843, 0.1833



# Inverse Universe

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



45.8989, 0.3556, 0.2813



45.8252, 0.3676, 0.2720



83.0751, 0.3675, 0.4175



15.8922, 0.3214, 0.3171



10.9284, 0.4935, 0.2492

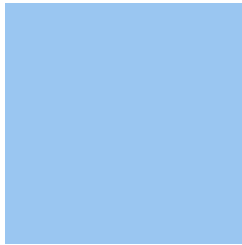


0.9292, 0.4646, 0.2333



# Previews

## White Background



This preview shows how the Yxy color 53.6091, 0.2547, 0.2764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

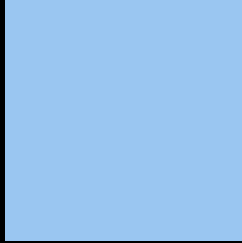
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6091, 0.2547, 0.2764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

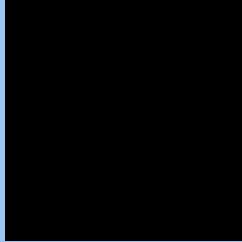
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

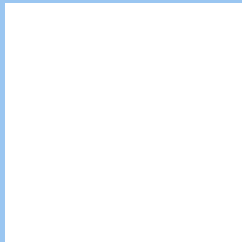
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.6091, 0.2547, 0.2764**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6091, 0.2547, 0.2764.



This preview shows how white text looks on a background with the Yxy color 53.6091, 0.2547, 0.2764.

# 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

53.6091, 0.2547, 0.2764

### Protanopia

53.3850, 0.2754, 0.2758

### Deuteranopia

53.3054, 0.2729, 0.2663



## Tritanopia

53.5989, 0.2645, 0.3083

# Trichromacy



## Original Color

53.6091, 0.2547, 0.2764

## Protanomaly

53.5273, 0.2670, 0.2763

## Deuteranomaly

53.1087, 0.2657, 0.2697

## Tritanomaly

53.7483, 0.2610, 0.2973

# Monochromacy



## Original Color

53.6091, 0.2547, 0.2764

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.0905, 0.2889, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6091, 0.2547, 0.2764 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(154, 198, 241)` looks like.

```
.text, #text, p{  
    color:rgb(154, 198, 241)  
}
```

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(154, 198, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 198, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6091, 0.2547, 0.2764 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(154, 198, 241) }
```

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

```
.border{ border-color:rgb(154, 198, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 198, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 198, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 198, 241);  
box-shadow:4px 4px 4px 4px rgb(154, 198,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6091, 0.2547, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 198, 241) }
```

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

```
.background{ background-color: rgb(154,  
198, 241) }
```

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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