

# Converting Colors

$Y_{xy}(53.7750, 0.2576, 0.2595)$

Have a look what the booklet for  
Yxy(53.7750, 0.2576, 0.2595)  
contains.

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# Color

**Yxy(53.7143, 0.2576, 0.2600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAC1FC
RGB	170, 193, 252
RGB Percent	67%, 76%, 99%
CMY	0.3333, 0.2431, 0.0117
CMYK	0.33, 0.23, 0.00, 0.01
HSL	223°, 93%, 83%
HSV	223°, 33%, 99%
XYZ	53.2185, 53.7143, 99.6607
YIQ	192.8490, -32.6470, 13.4730

# Conversions

## Conversions Part 2

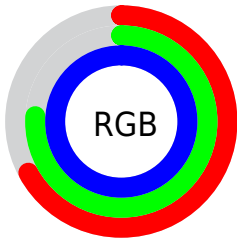
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">170, 188, 252</a>
Decimal	<a href="#">11190780</a>
CIELab	<a href="#">78.29, 5.66, -31.61</a>
CIELCh	<a href="#">78, 32.112, 280.161</a>
Yxy	<a href="#">53.7143, 0.2576, 0.2600</a>
Android (android.graphics.Color)	<a href="#">4289380860</a> ( <a href="#">0xFFAAC1FC</a> )
YUV	<a href="#">192.8490, 29.1614, -20.0386</a>
Hunter-Lab	<a href="#">73.2900, 1.3576, -29.3202</a>

# Details

The Yxy color **53.7143, 0.2576, 0.2600** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.6390, 0.3688, 0.3895**, and the grayscale version is **53.0766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3023, 0.2957, 0.3229**, and **26.3411, 0.2436, 0.2440** is the 20% darker color. If you saturate the color by 10%, you get **43.6403, 0.2389, 0.2342**, and if you desaturate by 10%, it is **65.3136, 0.2757, 0.2838**.

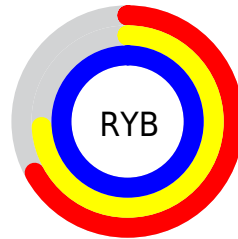
# Distribution



Red (67%)

Green (76%)

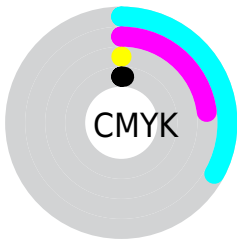
Blue (99%)



Red (67%)

Yellow (74%)

Blue (99%)

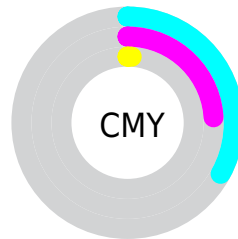


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (33%)

Magenta (24%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7143, 0.2576, 0.2600 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 53.7143, 0.2576, 0.2600 by changing the saturation by 10% instead.



■ 53.7143, 0.2576,  
0.2600

■ 53.7143, 0.2576,  
0.2600

401.0196, 0.2841,  
0.2926

■ 38.3733, 0.2514,  
0.2525

■ 95.6546, 0.2669,  
0.2714

■ 26.2725, 0.2436,  
0.2432

123.0227, 0.2705,  
0.2758

■ 17.0276, 0.2337,  
0.2314

155.1687, 0.2736,  
0.2796

■ 10.2542, 0.2207,  
0.2161

192.4769, 0.2763,  
0.2828

■ 5.5678, 0.2029,  
0.1955

235.3316, 0.2786,  
0.2857

■ 2.5841, 0.1774,  
0.1667

284.1174, 0.2806,

■ 0.9187, 0.1392,

0.2883

0.1251

339.2186, 0.2824,  
0.2905

0.0000, 0.0000,  
0.0000

53.7143, 0.2576,  
0.2600

53.7143, 0.2576,  
0.2600

43.6403, 0.2389,  
0.2342

65.3136, 0.2757,  
0.2838

35.0192, 0.2203,  
0.2070

78.4939, 0.2929,  
0.3053

27.7814, 0.2026,  
0.1792

93.3158, 0.3089,  
0.3245

21.8488, 0.1868,  
0.1522

99.8085, 0.3144,  
0.3319

17.1345, 0.1737,  
0.1272

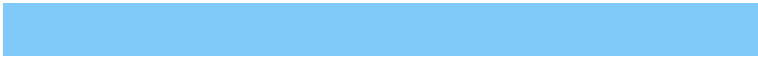
■ 13.5386, 0.1640,  
0.1056

■ 11.4950, 0.1590,  
0.0923

# Harmonies

## Analogous

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



53.7143, 0.2373, 0.2709



53.7143, 0.2576, 0.2600



53.7143, 0.2932, 0.2657

# Triad

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



53.7143, 0.2576, 0.2600



53.7143, 0.3967, 0.3501



53.7143, 0.2858, 0.3791

# Complementary

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



53.7143, 0.2576, 0.2600



79.6390, 0.3688, 0.3895

# 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.



53.7143, 0.3277, 0.4034



53.7143, 0.2576, 0.2600



53.7143, 0.3932, 0.3822

# Square

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



53.7143, 0.2576, 0.2600



53.7143, 0.3755, 0.3156



53.7143, 0.3674, 0.4031



53.7143, 0.2525, 0.3387



# Rectangle

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



53.7143, 0.2576, 0.2600



53.7143, 0.3219, 0.2776



53.7143, 0.3674, 0.4031



53.7143, 0.2993, 0.3896

# Sweetspot

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



53.7164, 0.2576, 0.2600



84.3277, 0.2971, 0.3104



83.8139, 0.2775, 0.3551



17.6077, 0.2948, 0.3076



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.



53.7164, 0.2576, 0.2600



48.2939, 0.2455, 0.2435



46.4413, 0.2667, 0.2353



17.4356, 0.2979, 0.3114



6.2008, 0.1597, 0.0950



0.7451, 0.1661, 0.1178



# Inverse Universe

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



53.2972, 0.3670, 0.3049



48.3236, 0.3827, 0.3000



90.0582, 0.3497, 0.4140



17.3052, 0.3250, 0.3224



11.0369, 0.5834, 0.2987



1.0395, 0.5498, 0.2802



# Previews

## White Background



This preview shows how the Yxy color 53.7143, 0.2576, 0.2600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

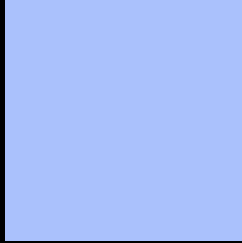
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7143, 0.2576, 0.2600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

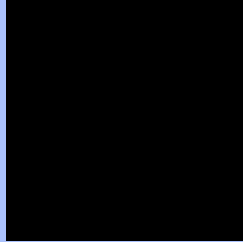
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

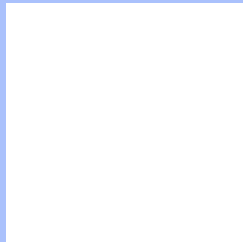
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.7143, 0.2576, 0.2600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7143, 0.2576, 0.2600.



This preview shows how white text looks on a background with the Yxy color 53.7143, 0.2576, 0.2600.

# 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

53.7143, 0.2576, 0.2600

### Protanopia

53.6916, 0.2630, 0.2596

### Deuteranopia

53.6221, 0.2630, 0.2566



## Tritanopia

53.9478, 0.2744, 0.3087

# Trichromacy



## Original Color

53.7143, 0.2576, 0.2600

## Protanomaly

53.7783, 0.2612, 0.2604

## Deuteranomaly

53.5836, 0.2606, 0.2573

## Tritanomaly

53.5890, 0.2681, 0.2896

# Monochromacy



## Original Color

53.7143, 0.2576, 0.2600

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.3093, 0.2914, 0.3034

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7143, 0.2576, 0.2600 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(170, 193, 252)` looks like.

```
.text, #text, p{  
    color:rgb(170, 193, 252)  
}
```

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(170, 193, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 193, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7143, 0.2576, 0.2600 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(170, 193, 252) }
```

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

```
.border{ border-color:rgb(170, 193, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 193, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 193, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 193, 252); box-shadow:4px 4px 4px 4px rgb(170, 193, 252) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7143, 0.2576, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 193, 252) }
```

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

```
.background{ background-color: rgb(170,  
193, 252) }
```

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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