

# Converting Colors

$Y_{xy}(51.3463, 0.2515, 0.2785)$

Have a look what the booklet for  
Yxy(51.3463, 0.2515, 0.2785)  
contains.

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# Color

**Yxy(51.5557, 0.2517, 0.2787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91C4EC
RGB	145, 196, 236
RGB Percent	57%, 77%, 93%
CMY	0.4313, 0.2314, 0.0744
CMYK	0.39, 0.17, 0.00, 0.07
HSL	206°, 71%, 75%
HSV	206°, 39%, 93%
XYZ	46.5611, 51.5557, 86.8696
YIQ	185.3110, -43.2360, 1.6280

# Conversions

## Conversions Part 2

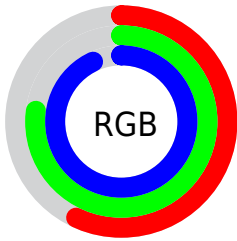
Format	Color
R <sub>Y</sub> B	145, 178, 236
Decimal	9553132
CIE <sub>Lab</sub>	77.01, -6.77, -25.13
CIE <sub>LCh</sub>	77, 26.022, 254.917
Yxy	51.5557, 0.2517, 0.2787
Android (android.graphics.Color)	4287743212 (0xFF91C4EC)
YUV	185.3110, 24.9897, -35.3527
Hunter-Lab	71.8023, -9.9035, -21.4701

# Details

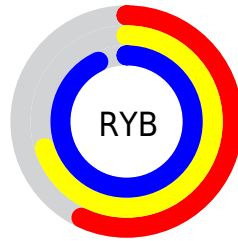
The Yxy color **51.5557, 0.2517, 0.2787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.5951, 0.3909, 0.3740**, and the grayscale version is **48.5770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8881, 0.2809, 0.3268**, and **24.8149, 0.2360, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **45.1096, 0.2364, 0.2629**, and if you desaturate by 10%, it is **58.7751, 0.2676, 0.2935**.

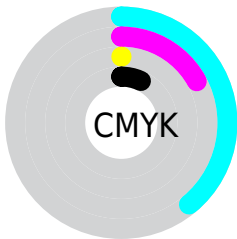
# Distribution



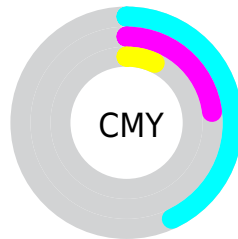
- Red (57%)
- Green (77%)
- Blue (93%)



- Red (57%)
- Yellow (70%)
- Blue (93%)



- Cyan (39%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (43%)
- Magenta (23%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5557, 0.2517, 0.2787 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 51.5557, 0.2517, 0.2787 by changing the saturation by 10% instead.



■ 51.5557, 0.2517,  
0.2787

■ 51.5557, 0.2517,  
0.2787

■ 392.7190, 0.2810,  
0.3034

■ 36.6511, 0.2448,  
0.2728

■ 92.4757, 0.2620,  
0.2875

■ 24.9374, 0.2362,  
0.2653

■ 119.2598, 0.2660,  
0.2909

■ 16.0304, 0.2252,  
0.2555

■ 150.7725, 0.2694,  
0.2937

■ 9.5457, 0.2106,  
0.2424

■ 187.3982, 0.2723,  
0.2962

■ 5.0988, 0.1905,  
0.2241

■ 229.5213, 0.2749,  
0.2983

■ 2.3053, 0.1616,  
0.1968

■ 277.5262, 0.2772,

■ 0.7765, 0.1133,

0.3002

0.1537

331.7973, 0.2792,  
0.3019

0.0000, 0.0000,  
0.0000

51.5557, 0.2517,  
0.2787

51.5557, 0.2517,  
0.2787

45.1096, 0.2364,  
0.2629

58.7751, 0.2676,  
0.2935

39.3966, 0.2221,  
0.2462

66.7936, 0.2836,  
0.3071

34.3811, 0.2092,  
0.2290

75.6427, 0.2995,  
0.3194

30.0208, 0.1983,  
0.2117

85.3504, 0.3149,  
0.3305

26.2672, 0.1896,  
0.1946

94.3891, 0.3244,  
0.3406

■ 23.0522, 0.1831,  
0.1783

■ 98.8374, 0.3238,  
0.3473

■ 22.6207, 0.1822,  
0.1760

# Harmonies

## Analogous

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



51.5557, 0.2476, 0.3000



51.5557, 0.2517, 0.2787



51.5557, 0.2711, 0.2714

# Triad

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



51.5557, 0.2517, 0.2787



51.5557, 0.3681, 0.3227



51.5557, 0.3200, 0.3875

# Complementary

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



51.5557, 0.2517, 0.2787



54.5951, 0.3909, 0.3740

# 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.



51.5557, 0.3535, 0.3912



51.5557, 0.2517, 0.2787



51.5557, 0.3825, 0.3517

# Square

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



51.5557, 0.2517, 0.2787



51.5557, 0.3381, 0.2964



51.5557, 0.3768, 0.3770



51.5557, 0.2857, 0.3650



# Rectangle

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



51.5557, 0.2517, 0.2787



51.5557, 0.2910, 0.2744



51.5557, 0.3768, 0.3770



51.5557, 0.3317, 0.3909

# Sweetspot

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



51.5577, 0.2517, 0.2787



86.3637, 0.2940, 0.3153



69.5040, 0.2859, 0.3944



18.1869, 0.2919, 0.3137



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

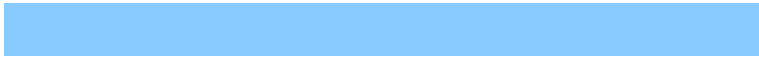


# Same Dimension

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



51.5577, 0.2517, 0.2787



55.5053, 0.2399, 0.2667



34.2381, 0.2428, 0.2193



15.9489, 0.2981, 0.3184



12.7289, 0.1829, 0.1786



1.1907, 0.1893, 0.2013



# Inverse Universe

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



42.0773, 0.3546, 0.2728



43.6825, 0.3665, 0.2619



76.4496, 0.3728, 0.4191



15.1954, 0.3205, 0.3159



10.7778, 0.4702, 0.2364



0.8656, 0.4439, 0.2219



# Previews

## White Background



This preview shows how the Yxy color 51.5557, 0.2517, 0.2787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

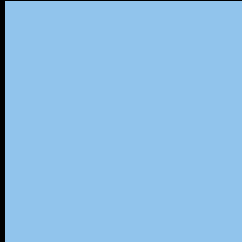
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5557, 0.2517, 0.2787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

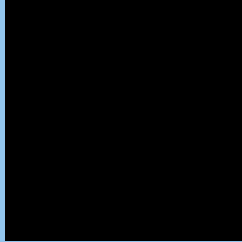
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

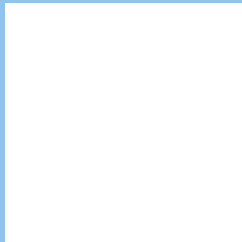
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.5557, 0.2517, 0.2787**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5557, 0.2517, 0.2787.



This preview shows how white text looks on a background with the Yxy color 51.5557, 0.2517, 0.2787.

# 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

51.5557, 0.2517, 0.2787

### Protanopia

51.3829, 0.2768, 0.2784

### Deuteranopia

51.3581, 0.2737, 0.2676



## Tritanopia

51.8419, 0.2605, 0.3079

# Trichromacy



## Original Color

51.5557, 0.2517, 0.2787

## Protanomaly

51.3033, 0.2669, 0.2787

## Deuteranomaly

51.3764, 0.2651, 0.2721

## Tritanomaly

51.9253, 0.2576, 0.2979

# Monochromacy



## Original Color

51.5557, 0.2517, 0.2787

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.3009, 0.2869, 0.3097

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5557, 0.2517, 0.2787 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(145, 196, 236)` looks like.

```
.text, #text, p{  
    color:rgb(145, 196, 236)  
}
```

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(145, 196, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 196, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5557, 0.2517, 0.2787 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(145, 196, 236) }
```

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

```
.border{ border-color:rgb(145, 196, 236) }
```

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

Here you see how a box with a 4 pixel rgb(145, 196, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 196, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 196, 236);  
box-shadow:4px 4px 4px 4px rgb(145, 196,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5557, 0.2517, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 196, 236) }
```

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

```
.background{ background-color: rgb(145,  
196, 236) }
```

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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