

Converting Colors

$Y_{xy}(51.4375, 0.2536, 0.2667)$

Have a look what the booklet for
Yxy(51.4375, 0.2536, 0.2667)
contains.

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Color

Yxy(51.2383, 0.2537, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	9CC0F3
RGB	156, 192, 243
RGB Percent	61%, 75%, 95%
CMY	0.3882, 0.2471, 0.0469
CMYK	0.36, 0.21, 0.00, 0.05
HSL	215°, 78%, 78%
HSV	215°, 36%, 95%
XYZ	48.7407, 51.2383, 92.1406
YIQ	187.0500, -37.8270, 8.2290

Conversions

Conversions Part 2

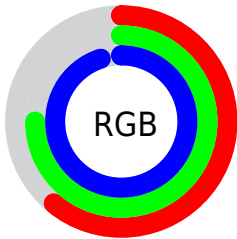
Format	Color
R _Y B	156, 181, 243
Decimal	10273011
CIE Lab	76.82, 0.11, -29.13
CIE LCh	77, 29.134, 270.217
Yxy	51.2383, 0.2537, 0.2667
Android (android.graphics.Color)	4288463091 (0xFF9CC0F3)
YUV	187.0500, 27.5834, -27.2308
Hunter-Lab	71.5809, -3.7228, -26.2127

Details

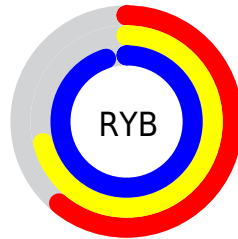
The Yxy color **51.2383, 0.2537, 0.2667** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1018, 0.3793, 0.3839**, and the grayscale version is **49.5827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5009, 0.2874, 0.3217**, and **24.8198, 0.2382, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **43.0955, 0.2365, 0.2455**, and if you desaturate by 10%, it is **60.4760, 0.2709, 0.2864**.

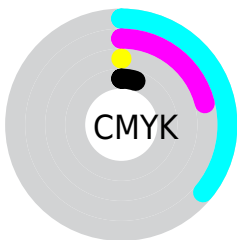
Distribution



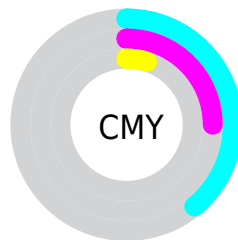
- Red (61%)
- Green (75%)
- Blue (95%)



- Red (61%)
- Yellow (71%)
- Blue (95%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)



- Cyan (39%)
- Magenta (25%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2383, 0.2537, 0.2667 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 51.2383, 0.2537, 0.2667 by changing the saturation by 10% instead.

■ 51.2383, 0.2537,
0.2667

■ 51.2383, 0.2537,
0.2667

■ 391.4889, 0.2821,
0.2967

■ 36.3983, 0.2470,
0.2596

■ 92.0069, 0.2638,
0.2773

■ 24.7420, 0.2386,
0.2508

■ 118.7043, 0.2676,
0.2814

■ 15.8849, 0.2279,
0.2394

■ 150.1230, 0.2709,
0.2849

■ 9.4428, 0.2136,
0.2244

■ 186.6473, 0.2738,
0.2879

■ 5.0311, 0.1941,
0.2039

■ 228.6617, 0.2762,
0.2905

■ 2.2655, 0.1661,
0.1743

■ 276.5504, 0.2784,

■ 0.7554, 0.1232,

0.2928

0.1292

330.6981, 0.2804,
0.2949

0.0000, 0.0000,
0.0000

51.2383, 0.2537,
0.2667

51.2383, 0.2537,
0.2667

43.0955, 0.2365,
0.2455

60.4760, 0.2709,
0.2864

35.9954, 0.2199,
0.2231

70.8459, 0.2877,
0.3043

29.8900, 0.2044,
0.2000

82.3903, 0.3038,
0.3205

24.7241, 0.1909,
0.1772

95.1478, 0.3189,
0.3348

20.4352, 0.1798,
0.1553

99.2531, 0.3197,
0.3405

■ 16.9499, 0.1715,
0.1351

■ 15.6895, 0.1687,
0.1273

Harmonies

Analogous

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



51.2383, 0.2403, 0.2823



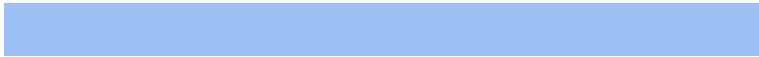
51.2383, 0.2537, 0.2667



51.2383, 0.2826, 0.2669

Triad

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



51.2383, 0.2537, 0.2667



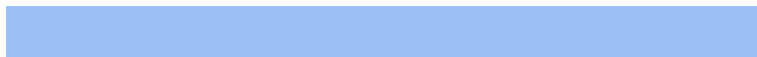
51.2383, 0.3859, 0.3381



51.2383, 0.3005, 0.3845

Complementary

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



51.2383, 0.2537, 0.2667



66.1018, 0.3793, 0.3839

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.



51.2383, 0.3397, 0.3998



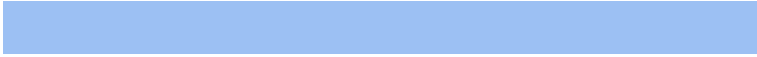
51.2383, 0.2537, 0.2667



51.2383, 0.3906, 0.3694

Square

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



51.2383, 0.2537, 0.2667



51.2383, 0.3600, 0.3067



51.2383, 0.3731, 0.3928



51.2383, 0.2659, 0.3510

Rectangle

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



51.2383, 0.2537, 0.2667



51.2383, 0.3079, 0.2751



51.2383, 0.3731, 0.3928



51.2383, 0.3135, 0.3921

Sweetspot

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



51.2403, 0.2537, 0.2667



85.0143, 0.2955, 0.3123



75.6826, 0.2806, 0.3725



17.8254, 0.2933, 0.3101



0.0000, 0.0000, 0.0000



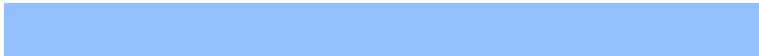
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2403, 0.2537, 0.2667



50.4053, 0.2411, 0.2513



38.0626, 0.2525, 0.2224



17.0528, 0.2980, 0.3147



8.8594, 0.1695, 0.1302



0.9762, 0.1763, 0.1547

Inverse Universe

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



46.6428, 0.3630, 0.2900



45.3666, 0.3780, 0.2821



84.3167, 0.3615, 0.4199



16.5962, 0.3228, 0.3192



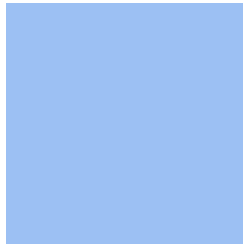
10.9937, 0.5324, 0.2706



0.9862, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 51.2383, 0.2537, 0.2667 looks on a white background.

Color Contrast Check

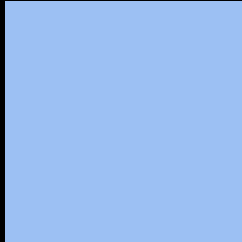
Large Text (above 18pt) WCAG AA × Fail

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 51.2383, 0.2537, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

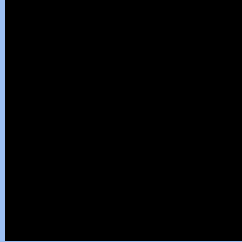
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

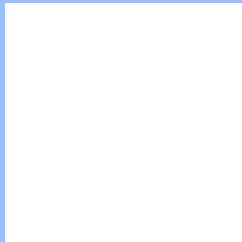
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2383, 0.2537, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 51.2383, 0.2537, 0.2667.



This preview shows how white text looks on a background with the Yxy color 51.2383, 0.2537, 0.2667.

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

51.2383, 0.2537, 0.2667

Protanopia

51.0620, 0.2677, 0.2659

Deuteranopia

51.1144, 0.2665, 0.2607



Tritanopia

51.1262, 0.2673, 0.3080

Trichromacy



Original Color

51.2383, 0.2537, 0.2667

Protanomaly

51.1811, 0.2626, 0.2665

Deuteranomaly

51.0441, 0.2614, 0.2622

Tritanomaly

51.0874, 0.2624, 0.2920

Monochromacy



Original Color

51.2383, 0.2537, 0.2667

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.1303, 0.2893, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2383, 0.2537, 0.2667 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(156, 192, 243)` looks like.

```
.text, #text, p{  
    color:rgb(156, 192, 243)  
}
```

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(156, 192, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 192, 243) }
```

Border

The CSS property to change the border of an element to Yxy 51.2383, 0.2537, 0.2667 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(156, 192, 243) }
```

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

```
.border{ border-color:rgb(156, 192, 243) }
```

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

Here you see how a box with a 4 pixel rgb(156, 192, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 192, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 192, 243);  
box-shadow:4px 4px 4px 4px rgb(156, 192,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2383, 0.2537, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 192, 243) }
```

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

```
.background{ background-color: rgb(156,  
192, 243) }
```

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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