

Converting Colors

$Y_{xy}(52.7790, 0.2540, 0.2685)$

Have a look what the booklet for
Yxy(52.7790, 0.2540, 0.2685)
contains.

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Color

Yxy(52.7909, 0.2538, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	9DC3F5
RGB	157, 195, 245
RGB Percent	62%, 76%, 96%
CMY	0.3842, 0.2353, 0.0393
CMYK	0.36, 0.20, 0.00, 0.04
HSL	214°, 81%, 79%
HSV	214°, 36%, 96%
XYZ	49.9007, 52.7909, 93.9226
YIQ	189.3380, -38.6980, 7.4940

Conversions

Conversions Part 2

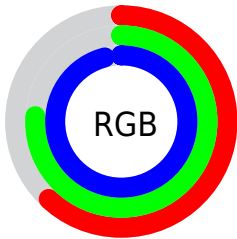
Format	Color
R _Y B	157, 184, 245
Decimal	10339317
CIE Lab	77.75, -0.74, -28.74
CIE LCh	78, 28.754, 268.523
Yxy	52.7909, 0.2538, 0.2685
Android (android.graphics.Color)	4288529397 (0xFF9DC3F5)
YUV	189.3380, 27.4414, -28.3604
Hunter-Lab	72.6573, -4.5575, -25.7828

Details

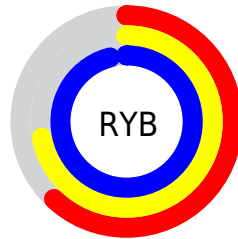
The Yxy color **52.7909, 0.2538, 0.2685** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.4655, 0.3801, 0.3825**, and the grayscale version is **50.9520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5105, 0.2881, 0.3248**, and **25.8449, 0.2385, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **44.6210, 0.2368, 0.2479**, and if you desaturate by 10%, it is **62.0403, 0.2709, 0.2876**.

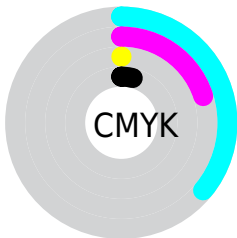
Distribution



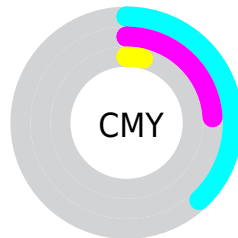
- Red (62%)
- Green (76%)
- Blue (96%)



- Red (62%)
- Yellow (72%)
- Blue (96%)



- Cyan (36%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)





- Cyan (38%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7909, 0.2538, 0.2685 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 52.7909, 0.2538, 0.2685 by changing the saturation by 10% instead.


 52.7909, 0.2538,
0.2685


 52.7909, 0.2538,
0.2685


397.4824, 0.2820,
0.2976

 37.6359, 0.2472,
0.2617


 94.2966, 0.2638,
0.2788

 25.7002, 0.2389,
0.2531


 121.4161, 0.2676,
0.2827

 16.5995, 0.2284,
0.2422


153.2925, 0.2709,
0.2861

 9.9494, 0.2144,
0.2278

190.3102, 0.2737,
0.2890

 5.3654, 0.1954,
0.2080

232.8537, 0.2762,
0.2915

 2.4632, 0.1681,
0.1796

281.3073, 0.2784,

 0.8581, 0.1273,

0.2938

0.1370

336.0554, 0.2803,
0.2958

0.0000, 0.0000,
0.0000

52.7909, 0.2538,
0.2685

52.7909, 0.2538,
0.2685

44.6210, 0.2368,
0.2479

62.0403, 0.2709,
0.2876

37.4790, 0.2204,
0.2262

72.4054, 0.2876,
0.3050

31.3175, 0.2052,
0.2039

83.9283, 0.3036,
0.3206

26.0822, 0.1920,
0.1816

96.6439, 0.3188,
0.3345

21.7113, 0.1811,
0.1602

99.3709, 0.3185,
0.3386

■ 18.1319, 0.1730,
0.1404

■ 16.8547, 0.1702,
0.1328

Harmonies

Analogous

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



52.7909, 0.2416, 0.2848



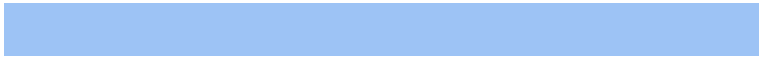
52.7909, 0.2538, 0.2685



52.7909, 0.2814, 0.2678

Triad

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



52.7909, 0.2538, 0.2685



52.7909, 0.3833, 0.3362



52.7909, 0.3029, 0.3845

Complementary

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



52.7909, 0.2538, 0.2685



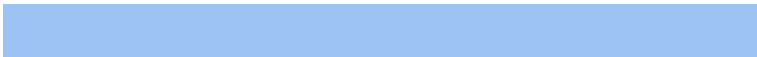
66.4655, 0.3801, 0.3825

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.



52.7909, 0.3413, 0.3983



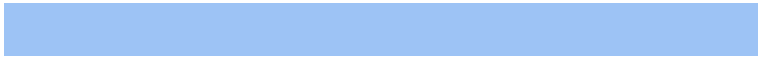
52.7909, 0.2538, 0.2685



52.7909, 0.3891, 0.3670

Square

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



52.7909, 0.2538, 0.2685



52.7909, 0.3570, 0.3056



52.7909, 0.3732, 0.3905



52.7909, 0.2686, 0.3527

Rectangle

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



52.7909, 0.2538, 0.2685



52.7909, 0.3059, 0.2754



52.7909, 0.3732, 0.3905



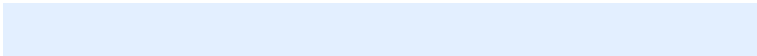
52.7909, 0.3158, 0.3916

Sweetspot

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



52.7929, 0.2538, 0.2685



85.3125, 0.2955, 0.3128



76.9568, 0.2813, 0.3745



17.8963, 0.2933, 0.3107



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.



52.7929, 0.2538, 0.2685



51.2789, 0.2415, 0.2538



38.4880, 0.2513, 0.2217



17.1037, 0.2980, 0.3152



9.3453, 0.1711, 0.1357



1.0215, 0.1778, 0.1600

Inverse Universe

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



47.4701, 0.3617, 0.2883



45.4548, 0.3759, 0.2801



86.0928, 0.3626, 0.4198



16.6013, 0.3226, 0.3188



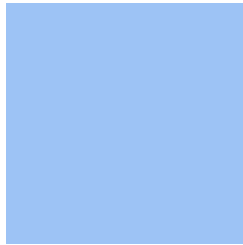
11.0428, 0.5248, 0.2665



0.9908, 0.4931, 0.2490

Previews

White Background



This preview shows how the Yxy color 52.7909, 0.2538, 0.2685 looks on a white background.

Color Contrast Check

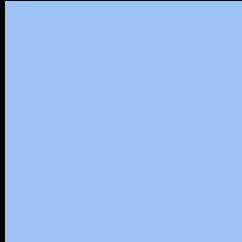
Large Text (above 18pt) WCAG AA × Fail

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 52.7909, 0.2538, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

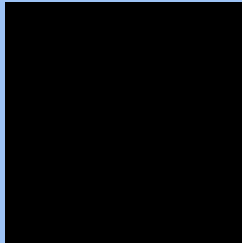
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

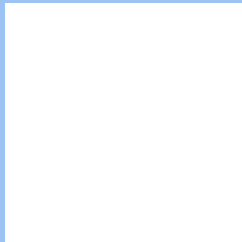
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7909, 0.2538, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 52.7909, 0.2538, 0.2685.



This preview shows how white text looks on a background with the Yxy color 52.7909, 0.2538, 0.2685.

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

52.7909, 0.2538, 0.2685

Protanopia

52.7615, 0.2694, 0.2688

Deuteranopia

52.4440, 0.2676, 0.2614



Tritanopia

52.7505, 0.2666, 0.3083

Trichromacy



Original Color

52.7909, 0.2538, 0.2685

Protanomaly

52.7680, 0.2638, 0.2694

Deuteranomaly

52.6861, 0.2620, 0.2640

Tritanomaly

52.7065, 0.2618, 0.2924

Monochromacy



Original Color

52.7909, 0.2538, 0.2685

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.2122, 0.2888, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7909, 0.2538, 0.2685 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(157, 195, 245)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 245)  
}
```

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(157, 195, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 245) }
```

Border

The CSS property to change the border of an element to Yxy 52.7909, 0.2538, 0.2685 is called "border". The border property can be set on classes, ids or directly on the HTML element.

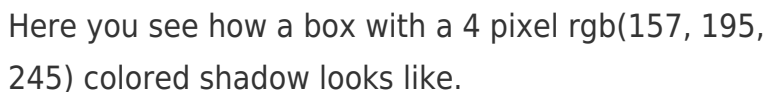
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 195, 245) }
```

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

```
.border{ border-color:rgb(157, 195, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 195, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 195, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 195, 245); box-shadow:4px 4px 4px 4px rgb(157, 195, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7909, 0.2538, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 245) }
```

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

```
.background{ background-color: rgb(157,  
195, 245) }
```

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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