

Converting Colors

$Yxy(58.9384, 0.2408, 0.2661)$

Have a look what the booklet for
Yxy(58.9384, 0.2408, 0.2661)
contains.

Yxy(58.2610, 0.2441, 0.2729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.2610, 0.2441, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	90D0FF
RGB	144, 208, 255
RGB Percent	56%, 82%, 100%
CMY	0.4352, 0.1843, 0.0000
CMYK	0.44, 0.18, 0.00, 0.00
HSL	205°, 100%, 78%
HSV	205°, 44%, 100%
XYZ	52.1125, 58.2610, 103.1149
YIQ	194.2220, -53.2310, 1.0490

Conversions

Conversions Part 2

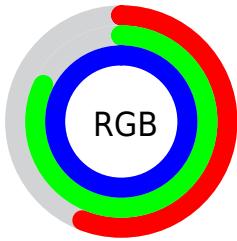
Format	Color
RYB	144, 185, 255
Decimal	9490687
CIELab	80.88, -8.37, -29.36
CIElCh	81, 30.532, 254.092
Yxy	58.2610, 0.2441, 0.2729
Android (android.graphics.Color)	4287680767 (0xFF90D0FF)
YUV	194.2220, 29.9636, -44.0447
Hunter-Lab	76.3289, -11.7071, -26.6664

Details

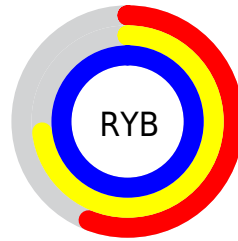
The Yxy color **58.2610, 0.2441, 0.2729** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5527, 0.4054, 0.3781**, and the grayscale version is **53.9344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **29.2147, 0.2280, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **51.1303, 0.2294, 0.2572**, and if you desaturate by 10%, it is **66.2720, 0.2597, 0.2877**.

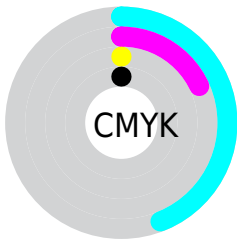
Distribution



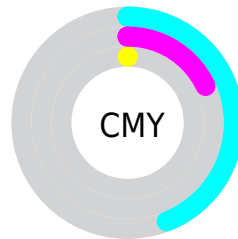
- Red (56%)
- Green (82%)
- Blue (100%)



- Red (56%)
- Yellow (73%)
- Blue (100%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2610, 0.2441, 0.2729 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 58.2610, 0.2441, 0.2729 by changing the saturation by 10% instead.


 58.2610, 0.2441,
0.2729


 58.2610, 0.2441,
0.2729


418.1578, 0.2762,
0.2998

 42.0185, 0.2368,
0.2666


 102.3028, 0.2552,
0.2824

 29.1158, 0.2278,
0.2587

 130.8710, 0.2596,
0.2860

 19.1684, 0.2164,
0.2487


164.3165, 0.2633,
0.2891

 11.7920, 0.2017,
0.2356

203.0237, 0.2665,
0.2918

 6.6022, 0.1822,
0.2176

247.3770, 0.2694,
0.2942

 3.2146, 0.1551,
0.1920

297.7609, 0.2719,

 1.2448, 0.1167,

0.2963

0.1537

354.5597, 0.2741,
0.2981

0.0978, 0.0000,
0.0347

0.0000, 0.0000,
0.0000

58.2610, 0.2441,
0.2729

58.2610, 0.2441,
0.2729

51.1303, 0.2294,
0.2572

66.2720, 0.2597,
0.2877

44.8329, 0.2160,
0.2408

75.1976, 0.2756,
0.3015

39.3233, 0.2043,
0.2241

85.0756, 0.2916,
0.3140

34.5479, 0.1947,
0.2074

95.9398, 0.3073,
0.3253

■ 30.4427, 0.1874,
0.1912

100.0000, 0.3127,
0.3290

■ 28.0831, 0.1836,
0.1811

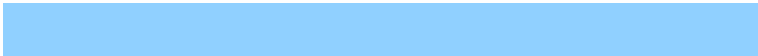
Harmonies

Analogous

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



58.2610, 0.2401, 0.2969



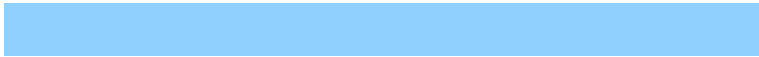
58.2610, 0.2441, 0.2729



58.2610, 0.2652, 0.2646

Triad

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



58.2610, 0.2441, 0.2729



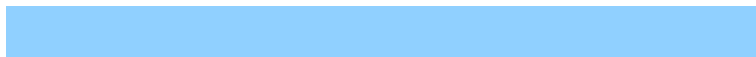
58.2610, 0.3745, 0.3208



58.2610, 0.3217, 0.3958

Complementary

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



58.2610, 0.2441, 0.2729



60.5527, 0.4054, 0.3781

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.



58.2610, 0.3592, 0.3989



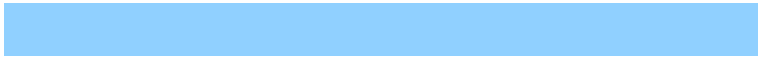
58.2610, 0.2441, 0.2729



58.2610, 0.3913, 0.3531

Square

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



58.2610, 0.2441, 0.2729



58.2610, 0.3401, 0.2919



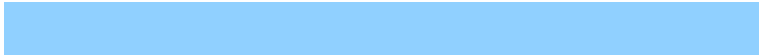
58.2610, 0.3853, 0.3819



58.2610, 0.2832, 0.3708

Rectangle

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



58.2610, 0.2441, 0.2729



58.2610, 0.2871, 0.2678



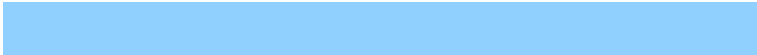
58.2610, 0.3853, 0.3819



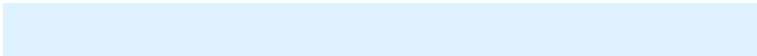
58.2610, 0.3348, 0.3994

Sweetspot

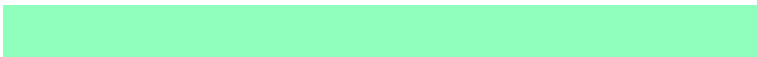
The Sweet Spot groups the original color and five complimentary colors.



58.2625, 0.2441, 0.2729



85.6117, 0.2924, 0.3146



81.1819, 0.2839, 0.4073



17.8375, 0.2889, 0.3120



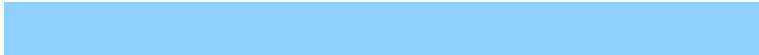
0.0000, 0.0000, 0.0000



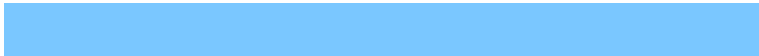
21.4041, 0.3127, 0.3290

Same Dimension

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



58.2625, 0.2441, 0.2729



52.1567, 0.2315, 0.2596



36.0271, 0.2324, 0.2042



19.1168, 0.2979, 0.3187



14.9762, 0.1844, 0.1837



1.6747, 0.1894, 0.2018

Inverse Universe

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



45.7708, 0.3607, 0.2637



39.3933, 0.3743, 0.2519



89.0360, 0.3813, 0.4289



18.1626, 0.3203, 0.3154



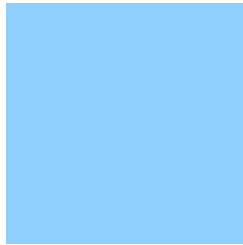
12.2398, 0.4642, 0.2331



1.2136, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 58.2610, 0.2441, 0.2729 looks on a white background.

Color Contrast Check

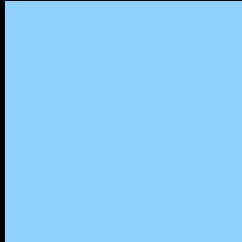
Large Text (above 18pt) WCAG AA × Fail

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 58.2610, 0.2441, 0.2729 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

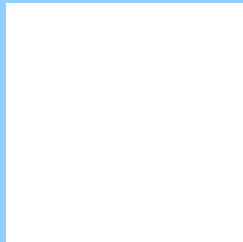
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2610, 0.2441, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 58.2610, 0.2441, 0.2729.



This preview shows how white text looks on a background with the Yxy color 58.2610, 0.2441, 0.2729.

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

58.2610, 0.2441, 0.2729

Protanopia

57.8568, 0.2722, 0.2721

Deuteranopia

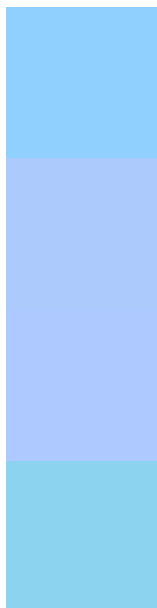
58.0997, 0.2693, 0.2640



Tritanopia

58.1185, 0.2536, 0.3062

Trichromacy



Original Color

58.2610, 0.2441, 0.2729

Protanomaly

57.9768, 0.2607, 0.2721

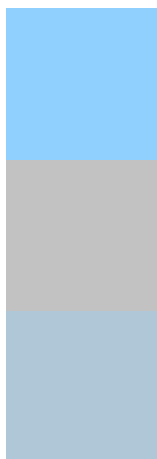
Deuteranomaly

57.8775, 0.2590, 0.2669

Tritanomaly

58.3960, 0.2505, 0.2943

Monochromacy



Original Color

58.2610, 0.2441, 0.2729

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.0348, 0.2839, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2610, 0.2441, 0.2729 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(144, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 208, 255)  
}
```

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(144, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.2610, 0.2441, 0.2729 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(144, 208, 255) }
```

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

```
.border{ border-color:rgb(144, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 208, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 208, 255); box-shadow:4px 4px 4px 4px rgb(144, 208, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2610, 0.2441, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 208, 255) }
```

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

```
.background{ background-color: rgb(144,  
208, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor