

Converting Colors

$Yxy(50.0704, 0.2612, 0.2757)$

Have a look what the booklet for
Yxy(50.0704, 0.2612, 0.2757)
contains.

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Color

Yxy(50.0810, 0.2609, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	9FBEE9
RGB	159, 190, 233
RGB Percent	62%, 75%, 91%
CMY	0.3763, 0.2549, 0.0862
CMYK	0.32, 0.18, 0.00, 0.09
HSL	215°, 63%, 77%
HSV	215°, 32%, 91%
XYZ	47.4270, 50.0810, 84.2742
YIQ	185.6330, -32.2790, 6.8010

Conversions

Conversions Part 2

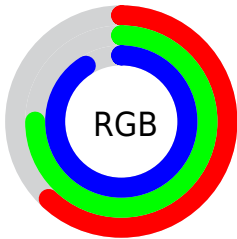
Format	Color
R_{YB}	159, 181, 233
Decimal	10469097
CIE _{Lab}	76.12, -0.48, -24.80
CIE _{LCh}	76, 24.808, 268.884
Yxy	50.0810, 0.2609, 0.2755
Android (android.graphics.Color)	4288659177 (0xFF9FBEE9)
YUV	185.6330, 23.3519, -23.3571
Hunter-Lab	70.7679, -4.2174, -21.0681

Details

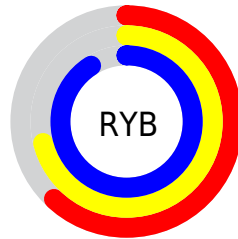
The Yxy color **50.0810, 0.2609, 0.2755** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.1048, 0.3704, 0.3771**, and the grayscale version is **48.7724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5786, 0.2885, 0.3197**, and **24.0689, 0.2473, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **42.3201, 0.2437, 0.2551**, and if you desaturate by 10%, it is **58.8409, 0.2779, 0.2943**.

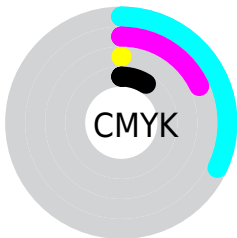
Distribution



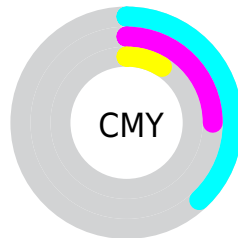
- Red (62%)
- Green (75%)
- Blue (91%)



- Red (62%)
- Yellow (71%)
- Blue (91%)



- Cyan (32%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (38%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0810, 0.2609, 0.2755 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 50.0810, 0.2609, 0.2755 by changing the saturation by 10% instead.

■ 50.0810, 0.2609,
0.2755

■ 50.0810, 0.2609,
0.2755

■ 386.9826, 0.2861,
0.3015

■ 35.4778, 0.2549,
0.2693

■ 90.2949, 0.2699,
0.2848

■ 24.0311, 0.2473,
0.2614

■ 116.6743, 0.2733,
0.2883

■ 15.3567, 0.2376,
0.2513

■ 147.7479, 0.2762,
0.2913

■ 9.0701, 0.2245,
0.2377

■ 183.9001, 0.2787,
0.2939

■ 4.7869, 0.2062,
0.2187

■ 225.5153, 0.2809,
0.2962

■ 2.1228, 0.1793,
0.1906

■ 272.9778, 0.2828,

■ 0.6774, 0.1344,

0.2982

0.1440

326.6721, 0.2845,
0.2999

0.0000, 0.0000,
0.0000

50.0810, 0.2609,
0.2755

50.0810, 0.2609,
0.2755

42.3201, 0.2437,
0.2551

58.8409, 0.2779,
0.2943

35.5121, 0.2269,
0.2334

68.6314, 0.2944,
0.3113

29.6157, 0.2110,
0.2108

79.4898, 0.3101,
0.3265

24.5837, 0.1966,
0.1879

91.4498, 0.3248,
0.3400

20.3633, 0.1845,
0.1657

98.6645, 0.3256,
0.3503

■ 16.8936, 0.1751,
0.1449

■ 14.5259, 0.1692,
0.1292

Harmonies

Analogous

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



50.0810, 0.2498, 0.2900



50.0810, 0.2609, 0.2755



50.0810, 0.2856, 0.2748

Triad

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



50.0810, 0.2609, 0.2755



50.0810, 0.3748, 0.3361



50.0810, 0.3039, 0.3771

Complementary

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



50.0810, 0.2609, 0.2755



62.1048, 0.3704, 0.3771

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.



50.0810, 0.3377, 0.3895



50.0810, 0.2609, 0.2755



50.0810, 0.3797, 0.3632

Square

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



50.0810, 0.2609, 0.2755



50.0810, 0.3520, 0.3088



50.0810, 0.3658, 0.3834



50.0810, 0.2737, 0.3494

Rectangle

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



50.0810, 0.2609, 0.2755



50.0810, 0.3073, 0.2816



50.0810, 0.3658, 0.3834



50.0810, 0.3152, 0.3833

Sweetspot

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



50.0830, 0.2609, 0.2755



86.3802, 0.2971, 0.3140



69.8810, 0.2845, 0.3683



18.1022, 0.2949, 0.3118



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.



50.0830, 0.2609, 0.2755



55.1819, 0.2498, 0.2625



38.5828, 0.2597, 0.2362



15.5846, 0.2980, 0.3149



8.4729, 0.1700, 0.1320



0.8516, 0.1776, 0.1591

Inverse Universe

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



45.8539, 0.3550, 0.2943



49.8548, 0.3671, 0.2870



77.3043, 0.3569, 0.4092



15.1586, 0.3227, 0.3192



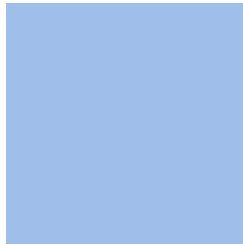
10.3481, 0.5299, 0.2693



0.8314, 0.4942, 0.2496

Previews

White Background



This preview shows how the Yxy color 50.0810, 0.2609, 0.2755 looks on a white background.

Color Contrast Check

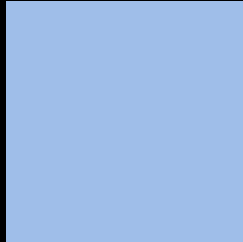
Large Text (above 18pt) WCAG AA × Fail

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 50.0810, 0.2609, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

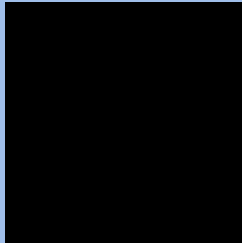
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

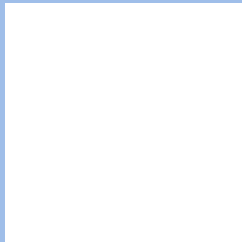
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0810, 0.2609, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 50.0810, 0.2609, 0.2755.



This preview shows how white text looks on a background with the Yxy color 50.0810, 0.2609, 0.2755.

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

50.0810, 0.2609, 0.2755

Protanopia

49.7582, 0.2744, 0.2744

Deuteranopia

50.0452, 0.2746, 0.2692



Tritanopia

50.1067, 0.2720, 0.3080

Trichromacy



Original Color

50.0810, 0.2609, 0.2755

Protanomaly

49.8562, 0.2690, 0.2750

Deuteranomaly

49.9426, 0.2691, 0.2708

Tritanomaly

50.2698, 0.2683, 0.2969

Monochromacy



Original Color

50.0810, 0.2609, 0.2755

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0826, 0.2921, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0810, 0.2609, 0.2755 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(159, 190, 233)` looks like.

```
.text, #text, p{  
    color:rgb(159, 190, 233)  
}
```

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(159, 190, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 190, 233) }
```

Border

The CSS property to change the border of an element to Yxy 50.0810, 0.2609, 0.2755 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(159, 190, 233) }
```

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

```
.border{ border-color:rgb(159, 190, 233) }
```

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

Here you see how a box with a 4 pixel rgb(159, 190, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 190, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 190, 233);  
box-shadow:4px 4px 4px 4px rgb(159, 190,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0810, 0.2609, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 190, 233) }
```

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

```
.background{ background-color: rgb(159,  
190, 233) }
```

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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