

Converting Colors

$Y_{xy}(49.2219, 0.2573, 0.2742)$

Have a look what the booklet for
Yxy(49.2219, 0.2573, 0.2742)
contains.

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Color

Yxy(49.0507, 0.2569, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	99BDE9
RGB	153, 189, 233
RGB Percent	60%, 74%, 91%
CMY	0.4000, 0.2588, 0.0863
CMYK	0.34, 0.19, 0.00, 0.09
HSL	213°, 65%, 76%
HSV	213°, 34%, 91%
XYZ	46.0399, 49.0507, 84.1228
YIQ	183.2520, -35.5800, 6.0520

Conversions

Conversions Part 2

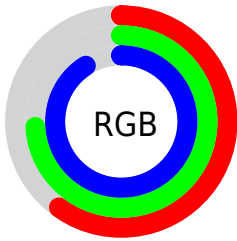
Format	Color
R _Y B	153, 178, 233
Decimal	10075625
CIE Lab	75.48, -1.65, -25.79
CIE LCh	75, 25.842, 266.349
Yxy	49.0507, 0.2569, 0.2737
Android (android.graphics.Color)	4288265705 (0xFF99BDE9)
YUV	183.2520, 24.5258, -26.5310
Hunter-Lab	70.0362, -5.2223, -22.1898

Details

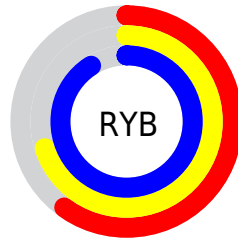
The Yxy color **49.0507, 0.2569, 0.2737** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.5437, 0.3769, 0.3784**, and the grayscale version is **47.3771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0801, 0.2849, 0.3185**, and **23.4353, 0.2424, 0.2596** is the 20% darker color. If you saturate the color by 10%, you get **41.7323, 0.2401, 0.2541**, and if you desaturate by 10%, it is **57.3023, 0.2737, 0.2918**.

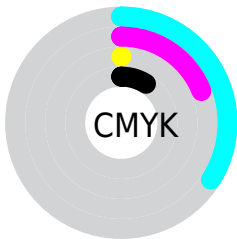
Distribution



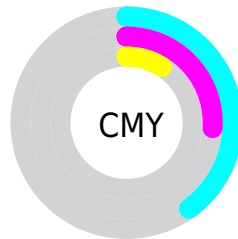
- Red (60%)
- Green (74%)
- Blue (91%)



- Red (60%)
- Yellow (70%)
- Blue (91%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0507, 0.2569, 0.2737 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 49.0507, 0.2569, 0.2737 by changing the saturation by 10% instead.

■ 49.0507, 0.2569,
0.2737

■ 49.0507, 0.2569,
0.2737

■ 382.9419, 0.2840,
0.3007

■ 34.6597, 0.2504,
0.2672

■ 88.7667, 0.2666,
0.2833

■ 23.4009, 0.2423,
0.2590

■ 114.8606, 0.2702,
0.2870

■ 14.8898, 0.2317,
0.2484

■ 145.6242, 0.2734,
0.2901

■ 8.7421, 0.2177,
0.2342

■ 181.4419, 0.2761,
0.2928

■ 4.5733, 0.1981,
0.2143

■ 222.6981, 0.2785,
0.2952

■ 1.9992, 0.1693,
0.1848

■ 269.7772, 0.2805,

■ 0.6070, 0.1188,

0.2973

0.1343

323.0637, 0.2824,
0.2991

0.0000, 0.0000,
0.0000

49.0507, 0.2569,
0.2737

49.0507, 0.2569,
0.2737

41.7323, 0.2401,
0.2541

57.3023, 0.2737,
0.2918

35.3030, 0.2238,
0.2334

66.5173, 0.2902,
0.3083

29.7232, 0.2087,
0.2119

76.7312, 0.3061,
0.3231

24.9470, 0.1954,
0.1903

87.9760, 0.3211,
0.3363

20.9228, 0.1843,
0.1692

97.4296, 0.3258,
0.3485

■ 17.5902, 0.1758,
0.1495

■ 98.6626, 0.3256,
0.3503

■ 15.9627, 0.1720,
0.1390

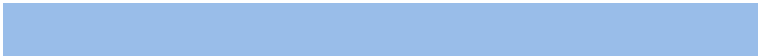
Harmonies

Analogous

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



49.0507, 0.2467, 0.2900



49.0507, 0.2569, 0.2737



49.0507, 0.2816, 0.2719

Triad

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



49.0507, 0.2569, 0.2737



49.0507, 0.3765, 0.3338



49.0507, 0.3064, 0.3814

Complementary

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



49.0507, 0.2569, 0.2737



59.5437, 0.3769, 0.3784

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.



49.0507, 0.3417, 0.3928



49.0507, 0.2569, 0.2737



49.0507, 0.3834, 0.3624

Square

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



49.0507, 0.2569, 0.2737



49.0507, 0.3512, 0.3056



49.0507, 0.3702, 0.3847



49.0507, 0.2741, 0.3532

Rectangle

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



49.0507, 0.2569, 0.2737



49.0507, 0.3039, 0.2783



49.0507, 0.3702, 0.3847



49.0507, 0.3183, 0.3874

Sweetspot

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



49.0526, 0.2569, 0.2737



86.8589, 0.2971, 0.3148



69.0134, 0.2840, 0.3755



18.2178, 0.2949, 0.3127



0.0000, 0.0000, 0.0000



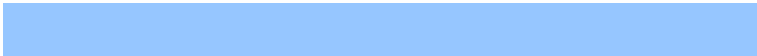
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0526, 0.2569, 0.2737



53.9142, 0.2453, 0.2604



35.6978, 0.2526, 0.2269



15.6656, 0.2980, 0.3157



9.2985, 0.1727, 0.1418



0.9198, 0.1801, 0.1683

Inverse Universe

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



43.7772, 0.3571, 0.2886



47.2715, 0.3698, 0.2804



77.4477, 0.3624, 0.4151



15.1668, 0.3222, 0.3184



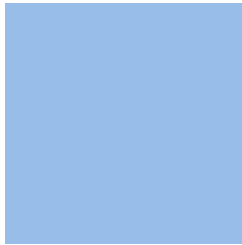
10.4315, 0.5167, 0.2620



0.8383, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 49.0507, 0.2569, 0.2737 looks on a white background.

Color Contrast Check

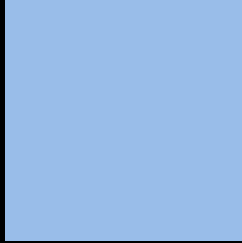
Large Text (above 18pt) WCAG AA × Fail

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 49.0507, 0.2569, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

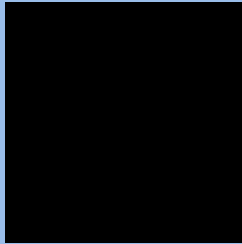
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

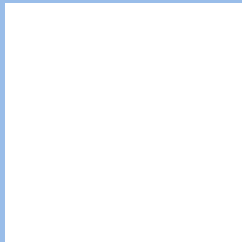
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0507, 0.2569, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 49.0507, 0.2569, 0.2737.



This preview shows how white text looks on a background with the Yxy color 49.0507, 0.2569, 0.2737.

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

49.0507, 0.2569, 0.2737

Protanopia

49.0521, 0.2735, 0.2740

Deuteranopia

48.8614, 0.2722, 0.2664



Tritanopia

48.9464, 0.2679, 0.3077

Trichromacy



Original Color

49.0507, 0.2569, 0.2737

Protanomaly

49.0465, 0.2675, 0.2746

Deuteranomaly

49.0735, 0.2663, 0.2691

Tritanomaly

49.1508, 0.2636, 0.2951

Monochromacy



Original Color

49.0507, 0.2569, 0.2737

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6856, 0.2903, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0507, 0.2569, 0.2737 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(153, 189, 233)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 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(153, 189, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 233) }
```

Border

The CSS property to change the border of an element to Yxy 49.0507, 0.2569, 0.2737 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(153, 189, 233) }
```

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

```
.border{ border-color:rgb(153, 189, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 233);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0507, 0.2569, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 233) }
```

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

```
.background{ background-color: rgb(153,  
189, 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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