

Converting Colors

$Yxy(49.9714, 0.2406, 0.2759)$

Have a look what the booklet for
Yxy(49.9714, 0.2406, 0.2759)
contains.

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Color

Yxy(50.0299, 0.2409, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	7EC4ED
RGB	126, 196, 237
RGB Percent	49%, 77%, 93%
CMY	0.5056, 0.2314, 0.0706
CMYK	0.47, 0.17, 0.00, 0.07
HSL	202°, 75%, 71%
HSV	202°, 47%, 93%
XYZ	43.6358, 50.0299, 87.4708
YIQ	179.7440, -54.8810, -2.0890

Conversions

Conversions Part 2

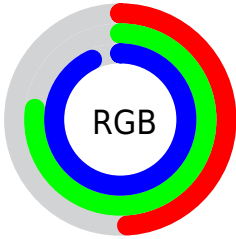
Format	Color
R _Y B	126, 169, 237
Decimal	8307949
CIE Lab	76.09, -11.21, -27.15
CIE LCh	76, 29.374, 247.565
Yxy	50.0299, 0.2409, 0.2762
Android (android.graphics.Color)	4286498029 (0xFF7EC4ED)
YUV	179.7440, 28.2272, -47.1335
Hunter-Lab	70.7318, -13.6607, -23.8090

Details

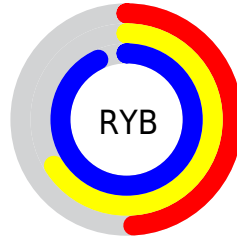
The Yxy color **50.0299, 0.2409, 0.2762** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.1721, 0.4175, 0.3750**, and the grayscale version is **45.3736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5378, 0.2714, 0.3267**, and **23.9111, 0.2228, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **44.6006, 0.2273, 0.2625**, and if you desaturate by 10%, it is **56.1204, 0.2556, 0.2892**.

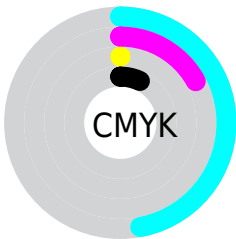
Distribution



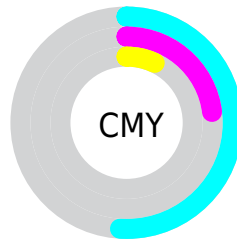
- Red (49%)
- Green (77%)
- Blue (93%)



- Red (49%)
- Yellow (66%)
- Blue (93%)



- Cyan (47%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (51%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0299, 0.2409, 0.2762 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 50.0299, 0.2409, 0.2762 by changing the saturation by 10% instead.

■ 50.0299, 0.2409,
0.2762

■ 50.0299, 0.2409,
0.2762

386.7829, 0.2753,
0.3024

■ 35.4372, 0.2328,
0.2698

■ 90.2192, 0.2530,
0.2856

■ 23.9998, 0.2228,
0.2617

■ 116.5845, 0.2577,
0.2892

■ 15.3335, 0.2100,
0.2512

■ 147.6428, 0.2617,
0.2922

■ 9.0538, 0.1931,
0.2370

183.7785, 0.2651,
0.2948

■ 4.7763, 0.1703,
0.2169

225.3759, 0.2681,
0.2971

■ 2.1166, 0.1380,
0.1871

272.8195, 0.2708,

■ 0.6739, 0.0761,

0.2991

0.1399

326.4937, 0.2732,
0.3008

0.0000, 0.0000,
0.0000

50.0299, 0.2409,
0.2762

50.0299, 0.2409,
0.2762

44.6006, 0.2273,
0.2625

56.1204, 0.2556,
0.2892

39.7924, 0.2152,
0.2483

62.8979, 0.2709,
0.3014

35.5686, 0.2050,
0.2339

70.3933, 0.2866,
0.3125

31.8843, 0.1969,
0.2195

78.6336, 0.3022,
0.3227

28.6837, 0.1909,
0.2055

87.6443, 0.3176,
0.3318

■ 27.7358, 0.1892,
0.2011

■ 94.8470, 0.3238,
0.3402

■ 98.8940, 0.3232,
0.3464

Harmonies

Analogous

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



50.0299, 0.2407, 0.3037



50.0299, 0.2409, 0.2762



50.0299, 0.2587, 0.2643

Triad

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



50.0299, 0.2409, 0.2762



50.0299, 0.3689, 0.3138



50.0299, 0.3305, 0.3993

Complementary

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



50.0299, 0.2409, 0.2762



47.1721, 0.4175, 0.3750

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.



50.0299, 0.3669, 0.3975



50.0299, 0.2409, 0.2762



50.0299, 0.3905, 0.3462

Square

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



50.0299, 0.2409, 0.2762



50.0299, 0.3316, 0.2861



50.0299, 0.3894, 0.3768



50.0299, 0.2908, 0.3784

Rectangle

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



50.0299, 0.2409, 0.2762



50.0299, 0.2790, 0.2653



50.0299, 0.3894, 0.3768



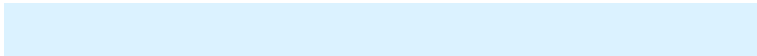
50.0299, 0.3435, 0.4012

Sweetspot

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



50.0318, 0.2409, 0.2762



85.7151, 0.2909, 0.3154



67.7849, 0.2852, 0.4217



17.9092, 0.2875, 0.3131



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.



50.0318, 0.2409, 0.2762



53.0229, 0.2281, 0.2633



29.5619, 0.2272, 0.2011



16.1317, 0.2981, 0.3201



15.4032, 0.1898, 0.2034



1.3924, 0.1952, 0.2227

Inverse Universe

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



36.9270, 0.3589, 0.2531



37.1673, 0.3724, 0.2397



71.8612, 0.3886, 0.4305



15.2138, 0.3194, 0.3143



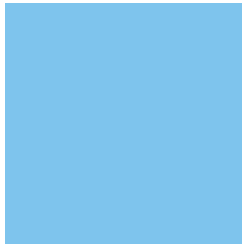
11.0478, 0.4415, 0.2206



0.8860, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 50.0299, 0.2409, 0.2762 looks on a white background.

Color Contrast Check

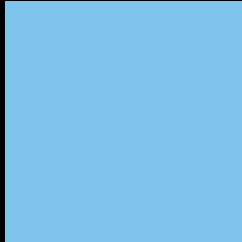
Large Text (above 18pt) WCAG AA × Fail

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 50.0299, 0.2409, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

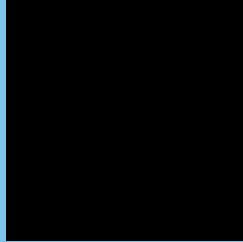
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

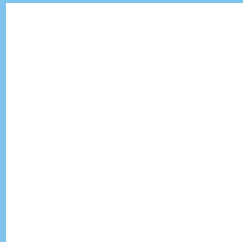
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0299, 0.2409, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 50.0299, 0.2409, 0.2762.



This preview shows how white text looks on a background with the Yxy color 50.0299, 0.2409, 0.2762.

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

50.0299, 0.2409, 0.2762

Protanopia

49.7022, 0.2750, 0.2755

Deuteranopia

49.5054, 0.2679, 0.2611



Tritanopia

50.2595, 0.2494, 0.3073

Trichromacy



Original Color

50.0299, 0.2409, 0.2762

Protanomaly

49.4905, 0.2607, 0.2753

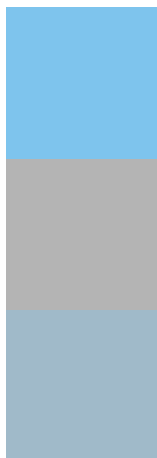
Deuteranomaly

49.4675, 0.2565, 0.2662

Tritanomaly

50.3662, 0.2461, 0.2957

Monochromacy



Original Color

50.0299, 0.2409, 0.2762

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.8084, 0.2813, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0299, 0.2409, 0.2762 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(126, 196, 237)` looks like.

```
.text, #text, p{  
    color:rgb(126, 196, 237)  
}
```

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(126, 196, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 196, 237) }
```

Border

The CSS property to change the border of an element to Yxy 50.0299, 0.2409, 0.2762 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(126, 196, 237) }
```

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

```
.border{ border-color:rgb(126, 196, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 196, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 196, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 196, 237);  
box-shadow:4px 4px 4px 4px rgb(126, 196,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0299, 0.2409, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 196, 237) }
```

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

```
.background{ background-color: rgb(126,  
196, 237) }
```

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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