

Converting Colors

$Yxy(49.4377, 0.2530, 0.2747)$

Have a look what the booklet for
Yxy(49.4377, 0.2530, 0.2747)
contains.

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Color

Yxy(49.4052, 0.2530, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	93BFEA
RGB	147, 191, 234
RGB Percent	58%, 75%, 92%
CMY	0.4235, 0.2510, 0.0823
CMYK	0.37, 0.18, 0.00, 0.08
HSL	210°, 67%, 75%
HSV	210°, 37%, 92%
XYZ	45.5190, 49.4052, 84.9928
YIQ	182.7460, -40.0270, 4.0450

Conversions

Conversions Part 2

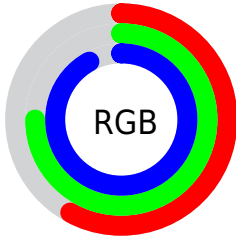
Format	Color
R_{YB}	147, 176, 234
Decimal	9682922
CIE _{Lab}	75.70, -4.08, -26.04
CIE _{LCh}	76, 26.359, 261.096
Yxy	49.4052, 0.2530, 0.2746
Android (android.graphics.Color)	4287873002 (0xFF93BFEA)
YUV	182.7460, 25.2682, -31.3492
Hunter-Lab	70.2888, -7.4090, -22.4909

Details

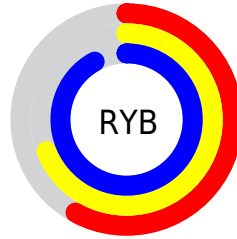
The Yxy color **49.4052, 0.2530, 0.2746** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.4480, 0.3854, 0.3775**, and the grayscale version is **47.0864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4380, 0.2816, 0.3205**, and **23.7185, 0.2380, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **42.6092, 0.2369, 0.2568**, and if you desaturate by 10%, it is **57.0439, 0.2694, 0.2912**.

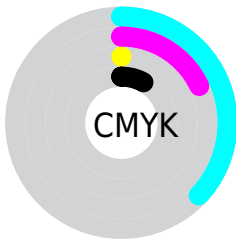
Distribution



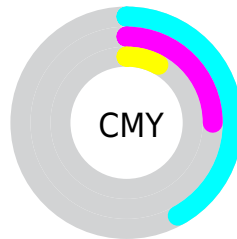
- Red (58%)
- Green (75%)
- Blue (92%)



- Red (58%)
- Yellow (69%)
- Blue (92%)



- Cyan (37%)
- Magenta (18%)
- Yellow (0%)
- Black (8%)



- Cyan (42%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4052, 0.2530, 0.2746 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 49.4052, 0.2530, 0.2746 by changing the saturation by 10% instead.

■ 49.4052, 0.2530,
0.2746

■ 49.4052, 0.2530,
0.2746

■ 384.3353, 0.2819,
0.3013

■ 34.9410, 0.2461,
0.2682

■ 89.2930, 0.2633,
0.2841

■ 23.6174, 0.2375,
0.2601

■ 115.4853, 0.2672,
0.2878

■ 15.0501, 0.2264,
0.2495

■ 146.3559, 0.2705,
0.2909

■ 8.8545, 0.2117,
0.2354

■ 182.2890, 0.2734,
0.2935

■ 4.6464, 0.1912,
0.2155

■ 223.6692, 0.2759,
0.2958

■ 2.0413, 0.1615,
0.1861

■ 270.8807, 0.2782,

■ 0.6313, 0.1086,

0.2979

0.1369

324.3079, 0.2801,
0.2997

0.0000, 0.0000,
0.0000

49.4052, 0.2530,
0.2746

49.4052, 0.2530,
0.2746

42.6092, 0.2369,
0.2568

57.0439, 0.2694,
0.2912

36.6142, 0.2217,
0.2380

65.5530, 0.2857,
0.3064

31.3828, 0.2078,
0.2186

74.9658, 0.3017,
0.3201

26.8714, 0.1958,
0.1991

85.3119, 0.3170,
0.3323

23.0300, 0.1861,
0.1801

94.8664, 0.3256,
0.3434

■ 19.7963, 0.1788,
0.1620

■ 98.7216, 0.3250,
0.3493

■ 18.9681, 0.1770,
0.1571

Harmonies

Analogous

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



49.4052, 0.2454, 0.2936



49.4052, 0.2530, 0.2746



49.4052, 0.2758, 0.2702

Triad

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



49.4052, 0.2530, 0.2746



49.4052, 0.3743, 0.3286



49.4052, 0.3126, 0.3859

Complementary

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



49.4052, 0.2530, 0.2746



56.4480, 0.3854, 0.3775

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.



49.4052, 0.3480, 0.3938



49.4052, 0.2530, 0.2746



49.4052, 0.3849, 0.3581

Square

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



49.4052, 0.2530, 0.2746



49.4052, 0.3460, 0.3006



49.4052, 0.3749, 0.3824



49.4052, 0.2785, 0.3595

Rectangle

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



49.4052, 0.2530, 0.2746



49.4052, 0.2975, 0.2752



49.4052, 0.3749, 0.3824



49.4052, 0.3247, 0.3908

Sweetspot

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



49.4071, 0.2530, 0.2746



86.5298, 0.2955, 0.3149



68.7388, 0.2843, 0.3858



18.1860, 0.2934, 0.3131



0.0000, 0.0000, 0.0000



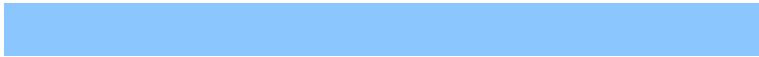
21.4041, 0.3127, 0.3290

Same Dimension

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



49.4071, 0.2530, 0.2746



53.3222, 0.2400, 0.2604



33.4741, 0.2449, 0.2183



15.8075, 0.2981, 0.3170



10.9095, 0.1777, 0.1598



1.0492, 0.1847, 0.1847

Inverse Universe

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



42.1309, 0.3573, 0.2799



44.1783, 0.3713, 0.2695



77.6373, 0.3690, 0.4200



15.1811, 0.3214, 0.3172



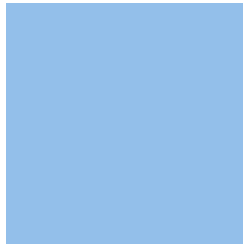
10.5941, 0.4933, 0.2491



0.8513, 0.4629, 0.2324

Previews

White Background



This preview shows how the Yxy color 49.4052, 0.2530, 0.2746 looks on a white background.

Color Contrast Check

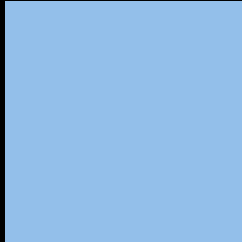
Large Text (above 18pt) WCAG AA × Fail

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 49.4052, 0.2530, 0.2746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

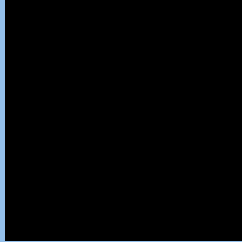
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

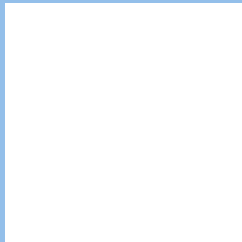
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4052, 0.2530, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 49.4052, 0.2530, 0.2746.



This preview shows how white text looks on a background with the Yxy color 49.4052, 0.2530, 0.2746.

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

49.4052, 0.2530, 0.2746

Protanopia

49.1682, 0.2742, 0.2741

Deuteranopia

48.9770, 0.2710, 0.2642



Tritanopia

49.3961, 0.2631, 0.3076

Trichromacy



Original Color

49.4052, 0.2530, 0.2746

Protanomaly

49.3095, 0.2656, 0.2745

Deuteranomaly

48.9116, 0.2643, 0.2677

Tritanomaly

49.5377, 0.2595, 0.2962

Monochromacy



Original Color

49.4052, 0.2530, 0.2746

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.9281, 0.2881, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4052, 0.2530, 0.2746 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(147, 191, 234)` looks like.

```
.text, #text, p{  
    color:rgb(147, 191, 234)  
}
```

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(147, 191, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 191, 234) }
```

Border

The CSS property to change the border of an element to Yxy 49.4052, 0.2530, 0.2746 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(147, 191, 234) }
```

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

```
.border{ border-color:rgb(147, 191, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 191, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 191, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 191, 234);  
box-shadow:4px 4px 4px 4px rgb(147, 191,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4052, 0.2530, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 191, 234) }
```

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

```
.background{ background-color: rgb(147,  
191, 234) }
```

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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