

Converting Colors

$Y_{xy}(49.9677, 0.2512, 0.2639)$

Have a look what the booklet for
Yxy(49.9677, 0.2512, 0.2639)
contains.

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Color

Yxy(49.9734, 0.2509, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	98BEF3
RGB	152, 190, 243
RGB Percent	60%, 75%, 95%
CMY	0.4042, 0.2548, 0.0471
CMYK	0.37, 0.22, 0.00, 0.05
HSL	215°, 79%, 77%
HSV	215°, 37%, 95%
XYZ	47.5297, 49.9734, 91.9336
YIQ	184.6800, -39.6610, 8.4270

Conversions

Conversions Part 2

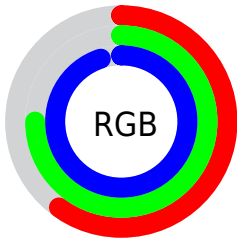
Format	Color
RYB	152, 179, 243
Decimal	10010355
CIELab	76.05, 0.09, -30.32
CIELCh	76, 30.320, 270.165
Yxy	49.9734, 0.2509, 0.2638
Android (android.graphics.Color)	4288200435 (0xFF98BEF3)
YUV	184.6800, 28.7518, -28.6604
Hunter-Lab	70.6919, -3.6963, -27.6214

Details

The Yxy color **49.9734, 0.2509, 0.2638** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.9392, 0.3831, 0.3861**, and the grayscale version is **48.1769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6868, 0.2850, 0.3196**, and **24.0206, 0.2348, 0.2468** is the 20% darker color. If you saturate the color by 10%, you get **42.0366, 0.2338, 0.2425**, and if you desaturate by 10%, it is **58.9883, 0.2681, 0.2836**.

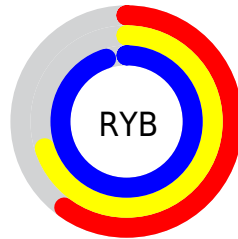
Distribution



Red (60%)

Green (75%)

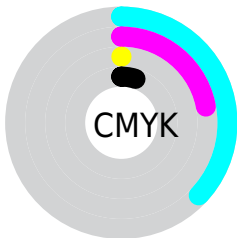
Blue (95%)



Red (60%)

Yellow (70%)

Blue (95%)

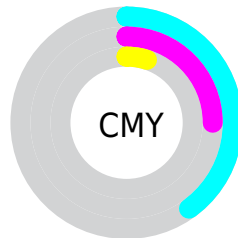


Cyan (37%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (40%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9734, 0.2509, 0.2638 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 49.9734, 0.2509, 0.2638 by changing the saturation by 10% instead.


 49.9734, 0.2509,
0.2638


 49.9734, 0.2509,
0.2638

386.5619, 0.2807,
0.2953

 35.3923, 0.2438,
0.2564


 90.1355, 0.2615,
0.2749

 23.9652, 0.2350,
0.2471


 116.4852, 0.2655,
0.2792

 15.3078, 0.2237,
0.2351


147.5265, 0.2690,
0.2829

 9.0357, 0.2087,
0.2194

183.6440, 0.2720,
0.2860

 4.7645, 0.1882,
0.1977

225.2218, 0.2746,
0.2888

 2.1097, 0.1588,
0.1668

272.6445, 0.2769,

 0.6701, 0.1130,

0.2912

0.1185

326.2964, 0.2789,
0.2934

0.0000, 0.0000,
0.0000

49.9734, 0.2509,
0.2638

49.9734, 0.2509,
0.2638

42.0366, 0.2338,
0.2425

58.9883, 0.2681,
0.2836

35.1257, 0.2174,
0.2201

69.1186, 0.2850,
0.3017

29.1923, 0.2023,
0.1973

80.4069, 0.3012,
0.3180

24.1807, 0.1892,
0.1747

92.8914, 0.3165,
0.3325

20.0276, 0.1786,
0.1531

99.2510, 0.3197,
0.3405

■ 16.6546, 0.1708,
0.1334

■ 15.9019, 0.1691,
0.1287

Harmonies

Analogous

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



49.9734, 0.2370, 0.2800



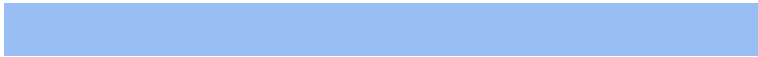
49.9734, 0.2509, 0.2638



49.9734, 0.2810, 0.2641

Triad

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



49.9734, 0.2509, 0.2638



49.9734, 0.3896, 0.3383



49.9734, 0.2998, 0.3875

Complementary

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



49.9734, 0.2509, 0.2638



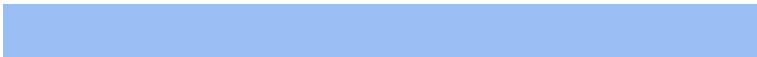
64.9392, 0.3831, 0.3861

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.



49.9734, 0.3410, 0.4034



49.9734, 0.2509, 0.2638



49.9734, 0.3944, 0.3710

Square

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



49.9734, 0.2509, 0.2638



49.9734, 0.3622, 0.3056



49.9734, 0.3760, 0.3958



49.9734, 0.2637, 0.3522

Rectangle

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



49.9734, 0.2509, 0.2638



49.9734, 0.3075, 0.2727



49.9734, 0.3760, 0.3958



49.9734, 0.3135, 0.3954

Sweetspot

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



49.9753, 0.2509, 0.2638



85.0896, 0.2955, 0.3124



75.1071, 0.2801, 0.3768



17.8433, 0.2933, 0.3102



0.0000, 0.0000, 0.0000



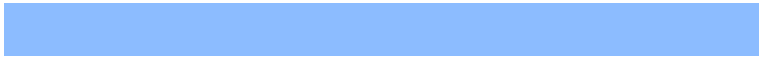
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9753, 0.2509, 0.2638



48.8879, 0.2378, 0.2477



36.1743, 0.2481, 0.2163



17.0656, 0.2980, 0.3149



8.9800, 0.1699, 0.1316



0.9875, 0.1767, 0.1561

Inverse Universe

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



45.2072, 0.3658, 0.2877



43.7307, 0.3819, 0.2794



84.3579, 0.3647, 0.4237



16.5975, 0.3228, 0.3191



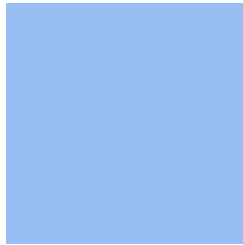
11.0059, 0.5305, 0.2696



0.9873, 0.4981, 0.2518

Previews

White Background



This preview shows how the Yxy color 49.9734, 0.2509, 0.2638 looks on a white background.

Color Contrast Check

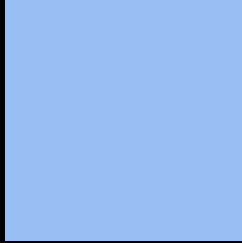
Large Text (above 18pt) WCAG AA × Fail

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 49.9734, 0.2509, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

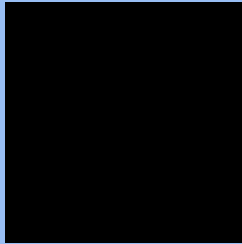
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

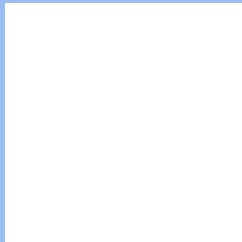
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9734, 0.2509, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 49.9734, 0.2509, 0.2638.



This preview shows how white text looks on a background with the Yxy color 49.9734, 0.2509, 0.2638.

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

49.9734, 0.2509, 0.2638

Protanopia

49.8142, 0.2660, 0.2641

Deuteranopia

49.8113, 0.2635, 0.2577



Tritanopia

50.1123, 0.2652, 0.3091

Trichromacy



Original Color

49.9734, 0.2509, 0.2638

Protanomaly

49.8313, 0.2603, 0.2646

Deuteranomaly

49.7565, 0.2585, 0.2592

Tritanomaly

50.1143, 0.2597, 0.2915

Monochromacy



Original Color

49.9734, 0.2509, 0.2638

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8811, 0.2876, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9734, 0.2509, 0.2638 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(152, 190, 243)` looks like.

```
.text, #text, p{  
    color:rgb(152, 190, 243)  
}
```

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(152, 190, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 190, 243) }
```

Border

The CSS property to change the border of an element to Yxy 49.9734, 0.2509, 0.2638 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(152, 190, 243) }
```

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

```
.border{ border-color:rgb(152, 190, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 190, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 190, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 190, 243);  
box-shadow:4px 4px 4px 4px rgb(152, 190,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9734, 0.2509, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 190, 243) }
```

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

```
.background{ background-color: rgb(152,  
190, 243) }
```

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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