

Converting Colors

Yxy(50.0234, 0.2491, 0.2477)

Have a look what the booklet for
Yxy(50.0234, 0.2491, 0.2477)
contains.

Yxy(49.9149, 0.2493, 0.2473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9149, 0.2493, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	A1BAFF
RGB	161, 186, 255
RGB Percent	63%, 73%, 100%
CMY	0.3684, 0.2706, 0.0000
CMYK	0.37, 0.27, 0.00, 0.00
HSL	224°, 100%, 82%
HSV	224°, 37%, 100%
XYZ	50.3186, 49.9149, 101.6060
YIQ	186.3910, -37.0490, 16.1590

Conversions

Conversions Part 2

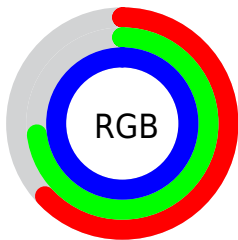
Format	Color
RYB	161, 181, 255
Decimal	10599167
CIELab	76.02, 7.86, -36.79
CIELCh	76, 37.621, 282.056
Yxy	49.9149, 0.2493, 0.2473
Android (android.graphics.Color)	4288789247 (0xFFA1BAFF)
YUV	186.3910, 33.8242, -22.2679
Hunter-Lab	70.6505, 3.4927, -35.8126

Details

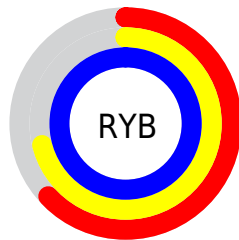
The Yxy color **49.9149, 0.2493, 0.2473** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.4744, 0.3767, 0.3989**, and the grayscale version is **49.1617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6297, 0.2901, 0.3156**, and **23.9164, 0.2331, 0.2274** is the 20% darker color. If you saturate the color by 10%, you get **40.1471, 0.2304, 0.2202**, and if you desaturate by 10%, it is **61.2592, 0.2679, 0.2726**.

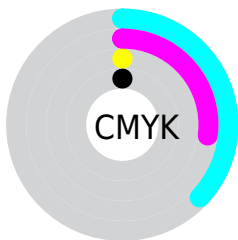
Distribution



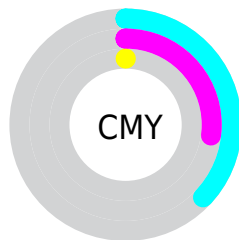
- Red (63%)
- Green (73%)
- Blue (100%)



- Red (63%)
- Yellow (71%)
- Blue (100%)



- Cyan (37%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9149, 0.2493, 0.2473 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 49.9149, 0.2493, 0.2473 by changing the saturation by 10% instead.

■ 49.9149, 0.2493,
0.2473

■ 49.9149, 0.2493,
0.2473

■ 386.3331, 0.2800,
0.2859

■ 35.3458, 0.2421,
0.2384

■ 90.0488, 0.2602,
0.2608

■ 23.9294, 0.2330,
0.2275

■ 116.3823, 0.2643,
0.2660

■ 15.2812, 0.2215,
0.2136

■ 147.4061, 0.2679,
0.2705

■ 9.0170, 0.2063,
0.1958

■ 183.5046, 0.2710,
0.2744

■ 4.7523, 0.1857,
0.1720

■ 225.0622, 0.2736,
0.2778

■ 2.1027, 0.1567,
0.1396

■ 272.4631, 0.2760,

■ 0.6661, 0.1150,

0.2808

0.0928

326.0920, 0.2781,
0.2835

0.0000, 0.0000,
0.0000

49.9149, 0.2493,
0.2473

49.9149, 0.2493,
0.2473

40.1471, 0.2304,
0.2202

61.2592, 0.2679,
0.2726

31.8808, 0.2119,
0.1921

74.2462, 0.2856,
0.2956

25.0376, 0.1947,
0.1640

88.9403, 0.3022,
0.3163

19.5303, 0.1798,
0.1374

100.0000, 0.3127,
0.3290

15.2606, 0.1681,
0.1137

■ 12.1128, 0.1600,
0.0942

■ 11.3116, 0.1581,
0.0890

Harmonies

Analogous

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



49.9149, 0.2245, 0.2581



49.9149, 0.2493, 0.2473



49.9149, 0.2921, 0.2555

Triad

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



49.9149, 0.2493, 0.2473



49.9149, 0.4143, 0.3554



49.9149, 0.2771, 0.3872

Complementary

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



49.9149, 0.2493, 0.2473



80.4744, 0.3767, 0.3989

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.



49.9149, 0.3267, 0.4185



49.9149, 0.2493, 0.2473



49.9149, 0.4077, 0.3934

Square

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



49.9149, 0.2493, 0.2473



49.9149, 0.3906, 0.3149



49.9149, 0.3747, 0.4187



49.9149, 0.2391, 0.3369

Rectangle

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



49.9149, 0.2493, 0.2473



49.9149, 0.3267, 0.2700



49.9149, 0.3747, 0.4187



49.9149, 0.2929, 0.4007

Sweetspot

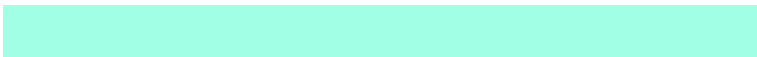
The Sweet Spot groups the original color and five complimentary colors.



49.9155, 0.2493, 0.2473



82.6114, 0.2954, 0.3080



84.8144, 0.2728, 0.3573



17.2551, 0.2932, 0.3052



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.



49.9155, 0.2493, 0.2473



42.7622, 0.2358, 0.2281



42.7983, 0.2603, 0.2214



18.1613, 0.2979, 0.3110



6.1172, 0.1588, 0.0916



0.7655, 0.1647, 0.1128

Inverse Universe

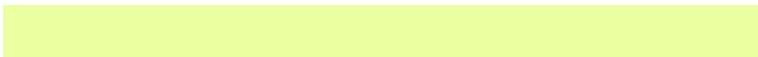
The Inverse Universe completely reimagines the original color for something new.



50.3175, 0.3786, 0.3031



43.8452, 0.3980, 0.2981



91.4330, 0.3533, 0.4259



18.0662, 0.3252, 0.3227



11.3455, 0.5887, 0.3017



1.1218, 0.5569, 0.2842

Previews

White Background



This preview shows how the Yxy color 49.9149, 0.2493, 0.2473 looks on a white background.

Color Contrast Check

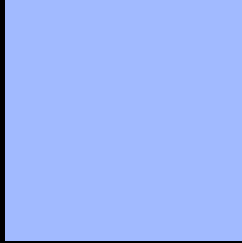
Large Text (above 18pt) WCAG AA × Fail

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 49.9149, 0.2493, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

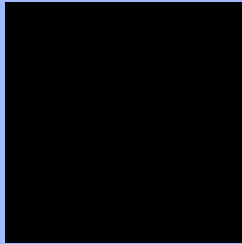
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

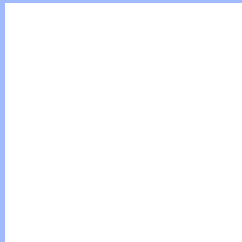
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9149, 0.2493, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 49.9149, 0.2493, 0.2473.



This preview shows how white text looks on a background with the Yxy color 49.9149, 0.2493, 0.2473.

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

49.9149, 0.2493, 0.2473

Protanopia

50.0692, 0.2534, 0.2479

Deuteranopia

50.0249, 0.2522, 0.2468



Tritanopia

49.7207, 0.2694, 0.3079

Trichromacy



Original Color

49.9149, 0.2493, 0.2473

Protanomaly

49.8530, 0.2521, 0.2476

Deuteranomaly

49.8104, 0.2509, 0.2465

Tritanomaly

49.6226, 0.2619, 0.2845

Monochromacy



Original Color

49.9149, 0.2493, 0.2473

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1681, 0.2872, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9149, 0.2493, 0.2473 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(161, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 186, 255)  
}
```

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(161, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9149, 0.2493, 0.2473 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(161, 186, 255) }
```

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

```
.border{ border-color:rgb(161, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9149, 0.2493, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 186, 255) }
```

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

```
.background{ background-color: rgb(161,  
186, 255) }
```

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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