

Converting Colors

$Y_{xy}(49.9882, 0.2538, 0.2673)$

Have a look what the booklet for
Yxy(49.9882, 0.2538, 0.2673)
contains.

Yxy(49.9882, 0.2538, 0.2673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9882, 0.2538, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	9ABEF0
RGB	154, 190, 240
RGB Percent	60%, 75%, 94%
CMY	0.3961, 0.2549, 0.0589
CMYK	0.36, 0.21, 0.00, 0.06
HSL	215°, 74%, 77%
HSV	215°, 36%, 94%
XYZ	47.4635, 49.9882, 89.5599
YIQ	184.9360, -37.5060, 7.9180

Conversions

Conversions Part 2

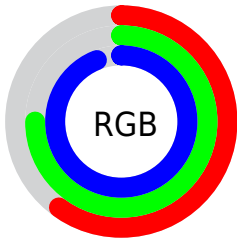
Format	Color
RYB	154, 179, 240
Decimal	10141424
CIELab	76.06, -0.14, -28.66
CIELCh	76, 28.663, 269.729
Yxy	49.9882, 0.2538, 0.2673
Android (android.graphics.Color)	4288331504 (0xFF9ABEF0)
YUV	184.9360, 27.1466, -27.1309
Hunter-Lab	70.7023, -3.8993, -25.6120

Details

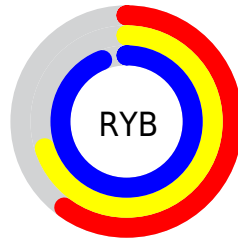
The Yxy color **49.9882, 0.2538, 0.2673** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.0190, 0.3794, 0.3835**, and the grayscale version is **48.3406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8332, 0.2856, 0.3196**, and **24.0613, 0.2388, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **42.1110, 0.2367, 0.2463**, and if you desaturate by 10%, it is **58.9179, 0.2710, 0.2868**.

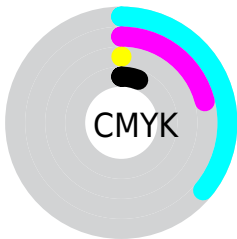
Distribution



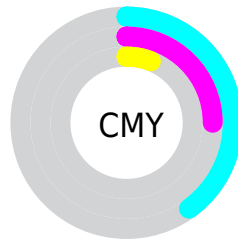
- Red (60%)
- Green (75%)
- Blue (94%)



- Red (60%)
- Yellow (70%)
- Blue (94%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9882, 0.2538, 0.2673 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 49.9882, 0.2538, 0.2673 by changing the saturation by 10% instead.

■ 49.9882, 0.2538,
0.2673

■ 49.9882, 0.2538,
0.2673

386.6198, 0.2823,
0.2972

■ 35.4040, 0.2470,
0.2602

■ 90.1574, 0.2639,
0.2779

■ 23.9743, 0.2386,
0.2513

■ 116.5112, 0.2678,
0.2819

■ 15.3145, 0.2277,
0.2399

147.5570, 0.2711,
0.2854

■ 9.0404, 0.2132,
0.2248

183.6792, 0.2739,
0.2884

■ 4.7676, 0.1933,
0.2038

225.2622, 0.2764,
0.2910

■ 2.1115, 0.1645,
0.1736

272.6903, 0.2786,

■ 0.6711, 0.1187,

0.2933

0.1256

326.3481, 0.2806,
0.2953

0.0000, 0.0000,
0.0000

49.9882, 0.2538,
0.2673

49.9882, 0.2538,
0.2673

42.1110, 0.2367,
0.2463

58.9179, 0.2710,
0.2868

35.2362, 0.2201,
0.2241

68.9358, 0.2877,
0.3046

29.3177, 0.2048,
0.2013

80.0825, 0.3038,
0.3205

24.3024, 0.1913,
0.1786

92.3951, 0.3189,
0.3347

20.1306, 0.1803,
0.1568

99.0694, 0.3215,
0.3435

■ 16.7316, 0.1720,
0.1368

■ 15.5028, 0.1692,
0.1290

Harmonies

Analogous

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



49.9882, 0.2407, 0.2831



49.9882, 0.2538, 0.2673



49.9882, 0.2823, 0.2672

Triad

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



49.9882, 0.2538, 0.2673



49.9882, 0.3851, 0.3376



49.9882, 0.3012, 0.3844

Complementary

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



49.9882, 0.2538, 0.2673



64.0190, 0.3794, 0.3835

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.



49.9882, 0.3401, 0.3993



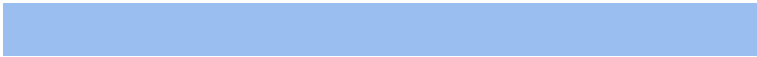
49.9882, 0.2538, 0.2673



49.9882, 0.3900, 0.3686

Square

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



49.9882, 0.2538, 0.2673



49.9882, 0.3590, 0.3064



49.9882, 0.3730, 0.3921



49.9882, 0.2668, 0.3515

Rectangle

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



49.9882, 0.2538, 0.2673



49.9882, 0.3073, 0.2753



49.9882, 0.3730, 0.3921



49.9882, 0.3142, 0.3918

Sweetspot

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



49.9901, 0.2538, 0.2673



85.0998, 0.2955, 0.3124



73.4699, 0.2813, 0.3743



17.8458, 0.2933, 0.3102



0.0000, 0.0000, 0.0000



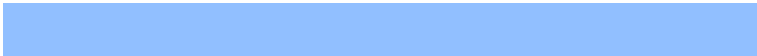
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9901, 0.2538, 0.2673



50.6549, 0.2412, 0.2521



36.8462, 0.2515, 0.2221



16.3167, 0.2980, 0.3149



8.7383, 0.1700, 0.1320



0.9193, 0.1772, 0.1577

Inverse Universe

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



45.3488, 0.3625, 0.2896



45.3918, 0.3774, 0.2815



82.1674, 0.3625, 0.4195



15.8687, 0.3227, 0.3191



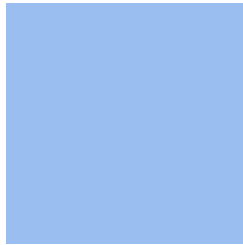
10.6755, 0.5300, 0.2693



0.9075, 0.4960, 0.2506

Previews

White Background



This preview shows how the Yxy color 49.9882, 0.2538, 0.2673 looks on a white background.

Color Contrast Check

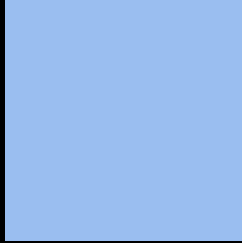
Large Text (above 18pt) WCAG AA × Fail

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 49.9882, 0.2538, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

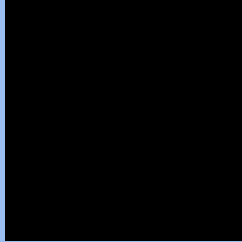
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

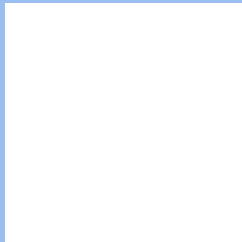
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9882, 0.2538, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 49.9882, 0.2538, 0.2673.



This preview shows how white text looks on a background with the Yxy color 49.9882, 0.2538, 0.2673.

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

49.9882, 0.2538, 0.2673

Protanopia

49.7527, 0.2685, 0.2675

Deuteranopia

49.8620, 0.2667, 0.2611



Tritanopia

49.9364, 0.2669, 0.3078

Trichromacy



Original Color

49.9882, 0.2538, 0.2673

Protanomaly

49.8706, 0.2634, 0.2681

Deuteranomaly

49.7935, 0.2615, 0.2626

Tritanomaly

49.8979, 0.2620, 0.2916

Monochromacy



Original Color

49.9882, 0.2538, 0.2673

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.9471, 0.2891, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9882, 0.2538, 0.2673 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(154, 190, 240)` looks like.

```
.text, #text, p{  
    color:rgb(154, 190, 240)  
}
```

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(154, 190, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 190, 240) }
```

Border

The CSS property to change the border of an element to Yxy 49.9882, 0.2538, 0.2673 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(154, 190, 240) }
```

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

```
.border{ border-color:rgb(154, 190, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 190, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 190, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 190, 240);  
box-shadow:4px 4px 4px 4px rgb(154, 190,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9882, 0.2538, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 190, 240) }
```

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

```
.background{ background-color: rgb(154,  
190, 240) }
```

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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