

Converting Colors

$Y_{xy}(49.0657, 0.2530, 0.2541)$

Have a look what the booklet for
Yxy(49.0657, 0.2530, 0.2541)
contains.

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Color

Yxy(48.9904, 0.2534, 0.2542)

Conversions

Conversions Part 1

Format	Color
Hex	A1B9F7
RGB	161, 185, 247
RGB Percent	63%, 73%, 97%
CMY	0.3687, 0.2745, 0.0313
CMYK	0.35, 0.25, 0.00, 0.03
HSL	223°, 84%, 80%
HSV	223°, 35%, 97%
XYZ	48.8362, 48.9904, 94.8972
YIQ	184.8920, -34.2060, 14.1940

Conversions

Conversions Part 2

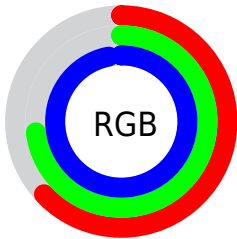
Format	Color
R _Y B	161, 180, 247
Decimal	10598903
CIE Lab	75.45, 6.31, -33.38
CIE LCh	75, 33.968, 280.706
Yxy	48.9904, 0.2534, 0.2542
Android (android.graphics.Color)	4288788983 (0xFFA1B9F7)
YUV	184.8920, 30.6192, -20.9533
Hunter-Lab	69.9931, 2.0566, -31.3906

Details

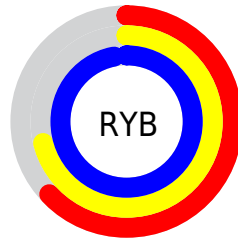
The Yxy color **48.9904, 0.2534, 0.2542** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.1328, 0.3731, 0.3938**, and the grayscale version is **48.2939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0360, 0.2901, 0.3145**, and **23.2844, 0.2379, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **39.6845, 0.2347, 0.2280**, and if you desaturate by 10%, it is **59.7402, 0.2717, 0.2785**.

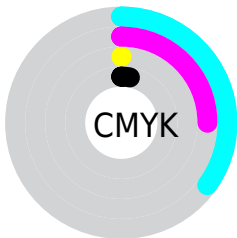
Distribution



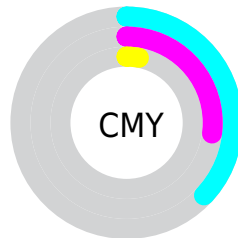
- Red (63%)
- Green (73%)
- Blue (97%)



- Red (63%)
- Yellow (71%)
- Blue (97%)



- Cyan (35%)
- Magenta (25%)
- Yellow (0%)
- Black (3%)



- Cyan (37%)
- Magenta (27%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9904, 0.2534, 0.2542 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 48.9904, 0.2534, 0.2542 by changing the saturation by 10% instead.

■ 48.9904, 0.2534,
0.2542

■ 48.9904, 0.2534,
0.2542

382.7045, 0.2823,
0.2899

■ 34.6119, 0.2465,
0.2459

■ 88.6772, 0.2637,
0.2667

■ 23.3640, 0.2379,
0.2355

■ 114.7542, 0.2676,
0.2716

■ 14.8625, 0.2269,
0.2224

145.4996, 0.2709,
0.2757

■ 8.7230, 0.2122,
0.2052

181.2976, 0.2738,
0.2793

■ 4.5609, 0.1920,
0.1821

222.5327, 0.2763,
0.2825

■ 1.9920, 0.1631,
0.1497

269.5893, 0.2785,

■ 0.6028, 0.1198,

0.2852

0.0993

322.8518, 0.2805,
0.2877

0.0000, 0.0000,
0.0000

48.9904, 0.2534,
0.2542

48.9904, 0.2534,
0.2542

39.6845, 0.2347,
0.2280

59.7402, 0.2717,
0.2785

31.7524, 0.2162,
0.2006

71.9883, 0.2891,
0.3006

25.1265, 0.1988,
0.1728

85.7932, 0.3053,
0.3203

19.7304, 0.1835,
0.1461

99.4969, 0.3173,
0.3366

15.4786, 0.1712,
0.1218

■ 12.2720, 0.1623,
0.1012

■ 10.9669, 0.1589,
0.0921

Harmonies

Analogous

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



48.9904, 0.2313, 0.2653



48.9904, 0.2534, 0.2542



48.9904, 0.2921, 0.2608

Triad

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



48.9904, 0.2534, 0.2542



48.9904, 0.4046, 0.3520



48.9904, 0.2824, 0.3832

Complementary

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



48.9904, 0.2534, 0.2542



75.1328, 0.3731, 0.3938

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.



48.9904, 0.3279, 0.4104



48.9904, 0.2534, 0.2542



48.9904, 0.4001, 0.3869

Square

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



48.9904, 0.2534, 0.2542



48.9904, 0.3819, 0.3148



48.9904, 0.3713, 0.4100



48.9904, 0.2468, 0.3386

Rectangle

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



48.9904, 0.2534, 0.2542



48.9904, 0.3235, 0.2738



48.9904, 0.3713, 0.4100



48.9904, 0.2970, 0.3950

Sweetspot

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



48.9923, 0.2534, 0.2542



84.3075, 0.2971, 0.3104



79.4216, 0.2754, 0.3572



17.6028, 0.2948, 0.3076



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.



48.9923, 0.2534, 0.2542



45.2652, 0.2399, 0.2354



41.8620, 0.2628, 0.2279



16.6796, 0.2979, 0.3114



6.0038, 0.1597, 0.0949



0.6938, 0.1664, 0.1188

Inverse Universe

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



48.7677, 0.3723, 0.3033



45.6145, 0.3908, 0.2979



85.6665, 0.3521, 0.4200



16.5585, 0.3250, 0.3224



10.7055, 0.5836, 0.2989



0.9577, 0.5483, 0.2794

Previews

White Background



This preview shows how the Yxy color 48.9904, 0.2534, 0.2542 looks on a white background.

Color Contrast Check

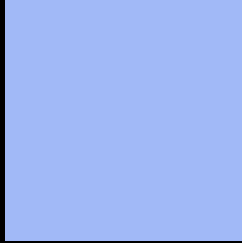
Large Text (above 18pt) WCAG AA × Fail

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 48.9904, 0.2534, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

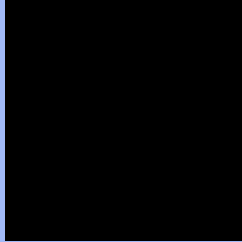
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

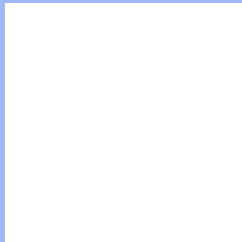
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9904, 0.2534, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 48.9904, 0.2534, 0.2542.



This preview shows how white text looks on a background with the Yxy color 48.9904, 0.2534, 0.2542.

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

48.9904, 0.2534, 0.2542

Protanopia

48.8456, 0.2582, 0.2537

Deuteranopia

49.0793, 0.2577, 0.2518



Tritanopia

48.9287, 0.2717, 0.3078

Trichromacy



Original Color

48.9904, 0.2534, 0.2542

Protanomaly

48.9341, 0.2564, 0.2545

Deuteranomaly

49.1653, 0.2559, 0.2526

Tritanomaly

48.6377, 0.2646, 0.2867

Monochromacy



Original Color

48.9904, 0.2534, 0.2542

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4821, 0.2884, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9904, 0.2534, 0.2542 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, 185, 247)` looks like.

```
.text, #text, p{  
    color:rgb(161, 185, 247)  
}
```

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, 185, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 185, 247) }
```

Border

The CSS property to change the border of an element to Yxy 48.9904, 0.2534, 0.2542 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, 185, 247) }
```

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

```
.border{ border-color:rgb(161, 185, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 185, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 185, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 185, 247);  
box-shadow:4px 4px 4px 4px rgb(161, 185,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9904, 0.2534, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 185, 247) }
```

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

```
.background{ background-color: rgb(161,  
185, 247) }
```

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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