

Converting Colors

$Y_{xy}(49.5654, 0.2504, 0.2459)$

Have a look what the booklet for
Yxy(49.5654, 0.2504, 0.2459)
contains.

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Color

Yxy(49.7045, 0.2503, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	A3B9FF
RGB	163, 185, 255
RGB Percent	64%, 73%, 100%
CMY	0.3610, 0.2744, 0.0001
CMYK	0.36, 0.27, 0.00, 0.00
HSL	226°, 100%, 82%
HSV	226°, 36%, 100%
XYZ	50.4912, 49.7045, 101.5271
YIQ	186.4020, -35.5820, 17.1060

Conversions

Conversions Part 2

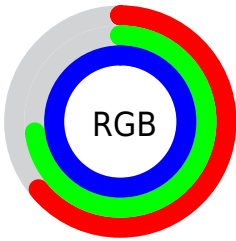
Format	Color
R _Y B	163, 181, 255
Decimal	10729983
CIE Lab	75.89, 8.88, -36.96
CIE LCh	76, 38.015, 283.505
Yxy	49.7045, 0.2503, 0.2464
Android (android.graphics.Color)	4288920063 (0xFFA3B9FF)
YUV	186.4020, 33.8188, -20.5236
Hunter-Lab	70.5014, 4.4594, -36.0309

Details

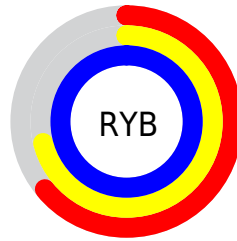
The Yxy color **49.7045, 0.2503, 0.2464** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1212, 0.3745, 0.3996**, and the grayscale version is **49.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3462, 0.2913, 0.3146**, and **23.7679, 0.2343, 0.2261** is the 20% darker color. If you saturate the color by 10%, you get **39.7170, 0.2311, 0.2185**, and if you desaturate by 10%, it is **61.3437, 0.2691, 0.2724**.

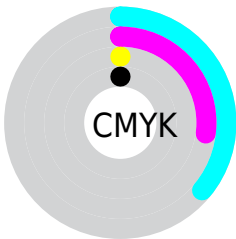
Distribution



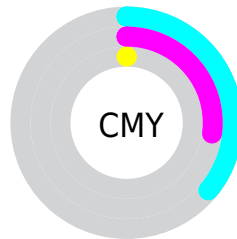
- Red (64%)
- Green (73%)
- Blue (100%)



- Red (64%)
- Yellow (71%)
- Blue (100%)



- Cyan (36%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7045, 0.2503, 0.2464 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 49.7045, 0.2503, 0.2464 by changing the saturation by 10% instead.

 49.7045, 0.2503,
0.2464

 49.7045, 0.2503,
0.2464


385.5092, 0.2806,
0.2854

 35.1787, 0.2431,
0.2374

 89.7369, 0.2610,
0.2600

 23.8005, 0.2342,
0.2264


 116.0122, 0.2651,
0.2653

 15.1857, 0.2228,
0.2125


146.9729, 0.2686,
0.2698

 8.9498, 0.2078,
0.1945

183.0032, 0.2717,
0.2737

 4.7085, 0.1873,
0.1706

224.4876, 0.2743,
0.2772

 2.0772, 0.1584,
0.1381

271.8105, 0.2767,

 0.6518, 0.1168,

0.2802

0.0910

325.3562, 0.2787,
0.2829

0.0000, 0.0000,
0.0000

49.7045, 0.2503,
0.2464

49.7045, 0.2503,
0.2464

39.7170, 0.2311,
0.2185

61.3437, 0.2691,
0.2724

31.2982, 0.2122,
0.1895

74.7008, 0.2868,
0.2961

24.3663, 0.1946,
0.1607

89.8454, 0.3033,
0.3173

18.8291, 0.1793,
0.1335

99.9990, 0.3127,
0.3290

14.5831, 0.1672,
0.1096

■ 11.5072, 0.1590,
0.0902

■ 10.5754, 0.1567,
0.0840

Harmonies

Analogous

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



49.7045, 0.2242, 0.2563



49.7045, 0.2503, 0.2464



49.7045, 0.2943, 0.2555

Triad

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



49.7045, 0.2503, 0.2464



49.7045, 0.4159, 0.3576



49.7045, 0.2744, 0.3857

Complementary

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



49.7045, 0.2503, 0.2464



82.1212, 0.3745, 0.3996

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.



49.7045, 0.3243, 0.4188



49.7045, 0.2503, 0.2464



49.7045, 0.4077, 0.3957

Square

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



49.7045, 0.2503, 0.2464



49.7045, 0.3933, 0.3167



49.7045, 0.3733, 0.4204



49.7045, 0.2369, 0.3344

Rectangle

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



49.7045, 0.2503, 0.2464



49.7045, 0.3294, 0.2707



49.7045, 0.3733, 0.4204



49.7045, 0.2902, 0.3998

Sweetspot

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



49.7064, 0.2503, 0.2464



82.2062, 0.2954, 0.3072



85.1153, 0.2727, 0.3549



17.1591, 0.2932, 0.3044



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.



49.7064, 0.2503, 0.2464



42.6464, 0.2371, 0.2273



43.8244, 0.2627, 0.2241



18.0852, 0.2979, 0.3104



5.7176, 0.1574, 0.0865



0.7174, 0.1631, 0.1070

Inverse Universe

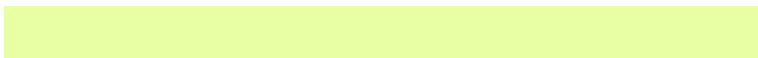
The Inverse Universe completely reimagines the original color for something new.



50.9334, 0.3790, 0.3060



44.5833, 0.3981, 0.3017



91.3040, 0.3515, 0.4243



18.0585, 0.3256, 0.3233



11.3052, 0.5967, 0.3061



1.1170, 0.5654, 0.2889

Previews

White Background



This preview shows how the Yxy color 49.7045, 0.2503, 0.2464 looks on a white background.

Color Contrast Check

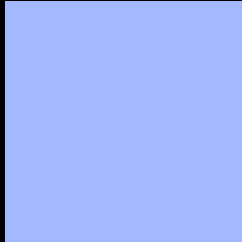
Large Text (above 18pt) WCAG AA × Fail

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 49.7045, 0.2503, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

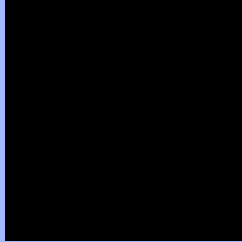
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7045, 0.2503, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 49.7045, 0.2503, 0.2464.



This preview shows how white text looks on a background with the Yxy color 49.7045, 0.2503, 0.2464.

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

49.7045, 0.2503, 0.2464

Protanopia

49.5437, 0.2526, 0.2465

Deuteranopia

49.6080, 0.2520, 0.2456



Tritanopia

49.8624, 0.2713, 0.3092

Trichromacy



Original Color

49.7045, 0.2503, 0.2464

Protanomaly

49.4361, 0.2519, 0.2464

Deuteranomaly

49.5003, 0.2514, 0.2454

Tritanomaly

49.8205, 0.2632, 0.2846

Monochromacy



Original Color

49.7045, 0.2503, 0.2464

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2859, 0.2879, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7045, 0.2503, 0.2464 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(163, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 185, 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(163, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.7045, 0.2503, 0.2464 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(163, 185, 255) }
```

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

```
.border{ border-color:rgb(163, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7045, 0.2503, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 185, 255) }
```

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

```
.background{ background-color: rgb(163,  
185, 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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