

Converting Colors

$Y_{xy}(50.5358, 0.2477, 0.2497)$

Have a look what the booklet for
Yxy(50.5358, 0.2477, 0.2497)
contains.

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Color

Yxy(50.4555, 0.2478, 0.2494)

Conversions

Conversions Part 1

Format	Color
Hex	9EBCFF
RGB	158, 188, 255
RGB Percent	62%, 74%, 100%
CMY	0.3805, 0.2627, 0.0000
CMYK	0.38, 0.26, 0.00, 0.00
HSL	221°, 100%, 81%
HSV	221°, 38%, 100%
XYZ	50.1318, 50.4555, 101.7202
YIQ	186.6680, -39.3870, 14.4770

Conversions

Conversions Part 2

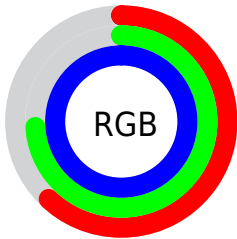
Format	Color
R _Y B	158, 181, 255
Decimal	10403071
CIE Lab	76.35, 5.93, -36.29
CIE LCh	76, 36.775, 279.279
Yxy	50.4555, 0.2478, 0.2494
Android (android.graphics.Color)	4288593151 (0xFF9EBCFF)
YUV	186.6680, 33.6877, -25.1418
Hunter-Lab	71.0320, 1.6727, -35.1828

Details

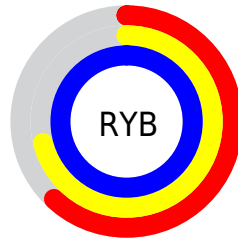
The Yxy color **50.4555, 0.2478, 0.2494** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.5603, 0.3806, 0.3972**, and the grayscale version is **49.3184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3684, 0.2884, 0.3176**, and **24.2887, 0.2316, 0.2301** is the 20% darker color. If you saturate the color by 10%, you get **41.0638, 0.2294, 0.2238**, and if you desaturate by 10%, it is **61.3027, 0.2661, 0.2733**.

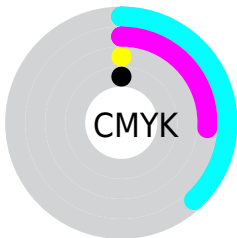
Distribution



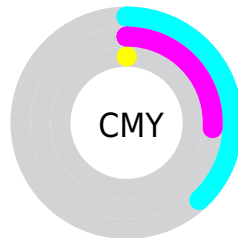
- Red (62%)
- Green (74%)
- Blue (100%)



- Red (62%)
- Yellow (71%)
- Blue (100%)



- Cyan (38%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4555, 0.2478, 0.2494 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 50.4555, 0.2478, 0.2494 by changing the saturation by 10% instead.


 50.4555, 0.2478,
0.2494


 50.4555, 0.2478,
0.2494


388.4446, 0.2791,
0.2871

 35.7755, 0.2404,
0.2407


 90.8494, 0.2588,
0.2626

 24.2608, 0.2313,
0.2300


 117.3320, 0.2631,
0.2677

 15.5272, 0.2196,
0.2164


148.5177, 0.2667,
0.2720

 9.1902, 0.2043,
0.1989

184.7907, 0.2699,
0.2759

 4.8655, 0.1835,
0.1755

226.5355, 0.2726,
0.2792

 2.1685, 0.1544,
0.1434

274.1365, 0.2750,

 0.7028, 0.1126,

0.2821

0.0974

327.9780, 0.2772,
0.2847

0.0000, 0.0000,
0.0000

50.4555, 0.2478,
0.2494

50.4555, 0.2478,
0.2494

41.0638, 0.2294,
0.2238

61.3027, 0.2661,
0.2733

33.0593, 0.2116,
0.1972

73.6651, 0.2837,
0.2952

26.3706, 0.1951,
0.1705

87.6016, 0.3002,
0.3148

20.9182, 0.1809,
0.1450

100.0000, 0.3127,
0.3290

16.6125, 0.1698,
0.1218

■ 13.3421, 0.1620,
0.1022

■ 12.8022, 0.1608,
0.0988

Harmonies

Analogous

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



50.4555, 0.2253, 0.2619



50.4555, 0.2478, 0.2494



50.4555, 0.2882, 0.2557

Triad

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



50.4555, 0.2478, 0.2494



50.4555, 0.4107, 0.3513



50.4555, 0.2822, 0.3894

Complementary

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



50.4555, 0.2478, 0.2494



77.5603, 0.3806, 0.3972

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.



50.4555, 0.3310, 0.4173



50.4555, 0.2478, 0.2494



50.4555, 0.4071, 0.3889

Square

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



50.4555, 0.2478, 0.2494



50.4555, 0.3851, 0.3119



50.4555, 0.3771, 0.4150



50.4555, 0.2436, 0.3415

Rectangle

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



50.4555, 0.2478, 0.2494



50.4555, 0.3216, 0.2690



50.4555, 0.3771, 0.4150



50.4555, 0.2980, 0.4018

Sweetspot

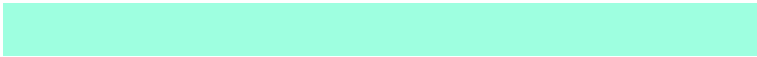
The Sweet Spot groups the original color and five complimentary colors.



50.4561, 0.2478, 0.2494



83.3223, 0.2955, 0.3093



84.1833, 0.2740, 0.3642



17.4236, 0.2932, 0.3066



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.



50.4561, 0.2478, 0.2494



42.8732, 0.2332, 0.2292



40.8674, 0.2547, 0.2163



18.2948, 0.2979, 0.3121



6.9210, 0.1616, 0.1016



0.8583, 0.1677, 0.1237

Inverse Universe

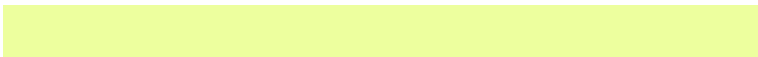
The Inverse Universe completely reimagines the original color for something new.



49.3362, 0.3775, 0.2978



42.4073, 0.3981, 0.2914



92.0288, 0.3578, 0.4280



18.0797, 0.3245, 0.3217



11.4266, 0.5735, 0.2933



1.1312, 0.5414, 0.2756

Previews

White Background



This preview shows how the Yxy color 50.4555, 0.2478, 0.2494 looks on a white background.

Color Contrast Check

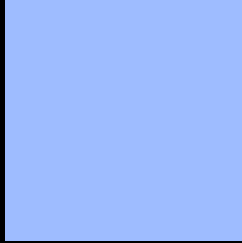
Large Text (above 18pt) WCAG AA × Fail

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 50.4555, 0.2478, 0.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

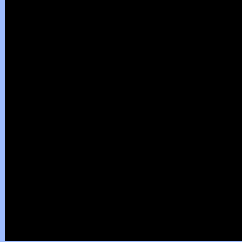
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

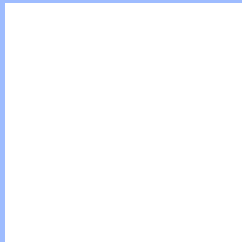
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4555, 0.2478, 0.2494

Background



This preview shows how black text looks on a background with the Yxy color 50.4555, 0.2478, 0.2494.



This preview shows how white text looks on a background with the Yxy color 50.4555, 0.2478, 0.2494.

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

50.4555, 0.2478, 0.2494

Protanopia

50.2248, 0.2552, 0.2492

Deuteranopia

50.2428, 0.2535, 0.2470



Tritanopia

50.4364, 0.2665, 0.3079

Trichromacy



Original Color

50.4555, 0.2478, 0.2494

Protanomaly

50.2729, 0.2523, 0.2488

Deuteranomaly

50.2303, 0.2511, 0.2477

Tritanomaly

50.3207, 0.2592, 0.2845

Monochromacy



Original Color

50.4555, 0.2478, 0.2494

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.5242, 0.2858, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4555, 0.2478, 0.2494 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(158, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 188, 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(158, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.4555, 0.2478, 0.2494 is called "border". The border property can be set on classes, ids or directly on the HTML element.

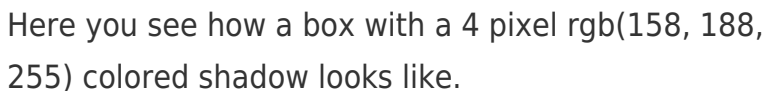
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 188, 255) }
```

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

```
.border{ border-color:rgb(158, 188, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 188, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 188, 255); box-shadow:4px 4px 4px 4px rgb(158, 188, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4555, 0.2478, 0.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 188, 255) }
```

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

```
.background{ background-color: rgb(158,  
188, 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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