

Converting Colors

$Y_{xy}(54.6082, 0.2469, 0.2619)$

Have a look what the booklet for
Yxy(54.6082, 0.2469, 0.2619)
contains.

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Color

Yxy(54.8392, 0.2470, 0.2625)

Conversions

Conversions Part 1

Format	Color
Hex	99C7FF
RGB	153, 199, 255
RGB Percent	60%, 78%, 100%
CMY	0.4002, 0.2195, 0.0000
CMYK	0.40, 0.22, 0.00, 0.00
HSL	213°, 100%, 80%
HSV	213°, 40%, 100%
XYZ	51.6011, 54.8392, 102.4710
YIQ	191.6300, -45.3920, 7.6640

Conversions

Conversions Part 2

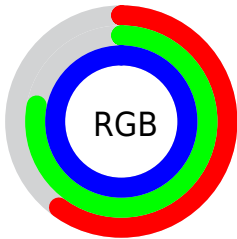
Format	Color
R _Y B	153, 185, 255
Decimal	10078207
CIE Lab	78.95, -1.37, -32.29
CIE LCh	79, 32.319, 267.569
Yxy	54.8392, 0.2470, 0.2625
Android (android.graphics.Color)	4288268287 (0xFF99C7FF)
YUV	191.6300, 31.2414, -33.8785
Hunter-Lab	74.0535, -5.2134, -30.2046

Details

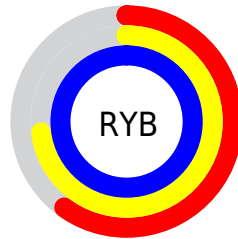
The Yxy color **54.8392, 0.2470, 0.2625** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.1204, 0.3905, 0.3869**, and the grayscale version is **52.3147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **26.8694, 0.2308, 0.2456** is the 20% darker color. If you saturate the color by 10%, you get **46.4764, 0.2304, 0.2421**, and if you desaturate by 10%, it is **64.3280, 0.2639, 0.2815**.

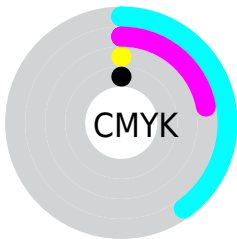
Distribution



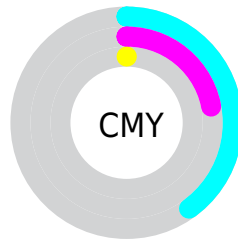
- Red (60%)
- Green (78%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8392, 0.2470, 0.2625 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 54.8392, 0.2470, 0.2625 by changing the saturation by 10% instead.

■ 54.8392, 0.2470,
0.2625

■ 54.8392, 0.2470,
0.2625

405.3021, 0.2781,
0.2941

■ 39.2730, 0.2398,
0.2552

■ 97.3053, 0.2579,
0.2736

■ 26.9722, 0.2309,
0.2460

■ 124.9740, 0.2621,
0.2779

■ 17.5523, 0.2196,
0.2345

157.4457, 0.2657,
0.2816

■ 10.6291, 0.2049,
0.2194

195.1047, 0.2689,
0.2847

■ 5.8180, 0.1851,
0.1990

238.3354, 0.2716,
0.2875

■ 2.7347, 0.1576,
0.1704

287.5223, 0.2740,

■ 0.9949, 0.1179,

0.2900

0.1289

343.0498, 0.2762,
0.2922

0.0000, 0.0000,
0.0000

54.8392, 0.2470,
0.2625

54.8392, 0.2470,
0.2625

46.4764, 0.2304,
0.2421

64.3280, 0.2639,
0.2815

39.1832, 0.2147,
0.2208

74.9827, 0.2808,
0.2990

32.9072, 0.2005,
0.1991

86.8488, 0.2971,
0.3148

27.5875, 0.1884,
0.1777

99.9673, 0.3127,
0.3290

23.1540, 0.1789,
0.1573

99.9999, 0.3127,
0.3290

■ 19.5100, 0.1718,
0.1386

Harmonies

Analogous

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



54.8392, 0.2342, 0.2806



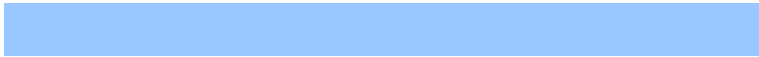
54.8392, 0.2470, 0.2625



54.8392, 0.2767, 0.2614

Triad

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



54.8392, 0.2470, 0.2625



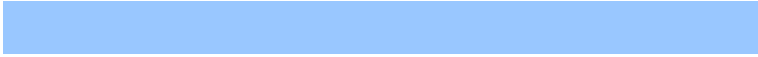
54.8392, 0.3906, 0.3354



54.8392, 0.3029, 0.3920

Complementary

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



54.8392, 0.2470, 0.2625



69.1204, 0.3905, 0.3869

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.



54.8392, 0.3453, 0.4063



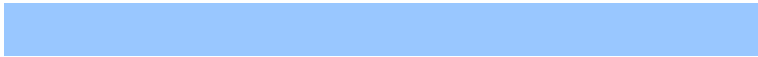
54.8392, 0.2470, 0.2625



54.8392, 0.3977, 0.3695

Square

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



54.8392, 0.2470, 0.2625



54.8392, 0.3606, 0.3021



54.8392, 0.3805, 0.3963



54.8392, 0.2649, 0.3566

Rectangle

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



54.8392, 0.2470, 0.2625



54.8392, 0.3036, 0.2695



54.8392, 0.3805, 0.3963



54.8392, 0.3171, 0.3995

Sweetspot

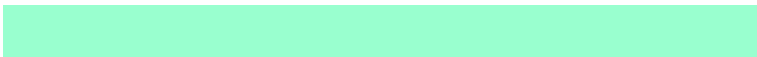
The Sweet Spot groups the original color and five complimentary colors.



54.8413, 0.2470, 0.2625



84.4057, 0.2939, 0.3118



82.8089, 0.2799, 0.3850



17.7264, 0.2918, 0.3098



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.



54.8413, 0.2470, 0.2625



48.0809, 0.2337, 0.2463



37.0852, 0.2403, 0.2063



18.7283, 0.2979, 0.3156



10.4833, 0.1727, 0.1416



1.2354, 0.1787, 0.1632

Inverse Universe

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



48.1472, 0.3678, 0.2814



41.5506, 0.3842, 0.2723



94.4373, 0.3705, 0.4293



18.1234, 0.3223, 0.3183



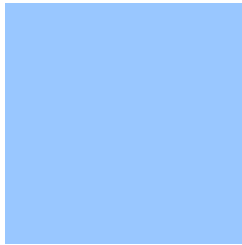
11.7863, 0.5170, 0.2622



1.1693, 0.4890, 0.2468

Previews

White Background



This preview shows how the Yxy color 54.8392, 0.2470, 0.2625 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 54.8392, 0.2470, 0.2625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

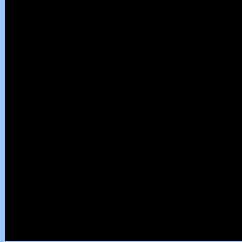
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

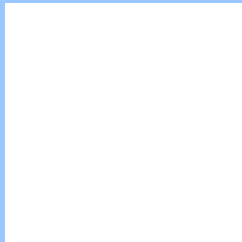
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.8392, 0.2470, 0.2625

Background



This preview shows how black text looks on a background with the Yxy color 54.8392, 0.2470, 0.2625.



This preview shows how white text looks on a background with the Yxy color 54.8392, 0.2470, 0.2625.

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

54.8392, 0.2470, 0.2625

Protanopia

54.7454, 0.2651, 0.2632

Deuteranopia

54.7430, 0.2628, 0.2571



Tritanopia

54.8659, 0.2604, 0.3071

Trichromacy



Original Color

54.8392, 0.2470, 0.2625

Protanomaly

54.6045, 0.2579, 0.2624

Deuteranomaly

54.9081, 0.2569, 0.2595

Tritanomaly

54.8554, 0.2553, 0.2903

Monochromacy



Original Color

54.8392, 0.2470, 0.2625

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.4015, 0.2857, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8392, 0.2470, 0.2625 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(153, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 199, 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(153, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.8392, 0.2470, 0.2625 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(153, 199, 255) }
```

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

```
.border{ border-color:rgb(153, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8392, 0.2470, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 199, 255) }
```

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

```
.background{ background-color: rgb(153,  
199, 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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