

Converting Colors

$Yxy(54.1961, 0.2494, 0.2599)$

Have a look what the booklet for
Yxy(54.1961, 0.2494, 0.2599)
contains.

Yxy(54.4216, 0.2495, 0.2605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.4216, 0.2495, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	9EC5FF
RGB	158, 197, 255
RGB Percent	62%, 77%, 100%
CMY	0.3802, 0.2275, 0.0000
CMYK	0.38, 0.23, 0.00, 0.00
HSL	216°, 100%, 81%
HSV	216°, 38%, 100%
XYZ	52.1236, 54.4216, 102.3669
YIQ	191.9510, -41.8620, 9.7700

Conversions

Conversions Part 2

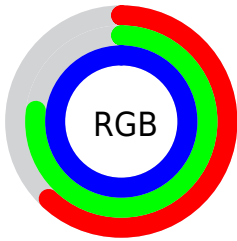
Format	Color
RYB	158, 186, 255
Decimal	10405375
CIELab	78.71, 1.04, -32.64
CIELCh	79, 32.657, 271.830
Yxy	54.4216, 0.2495, 0.2605
Android (android.graphics.Color)	4288595455 (0xFF9EC5FF)
YUV	191.9510, 31.0832, -29.7750
Hunter-Lab	73.7710, -2.9785, -30.6329

Details

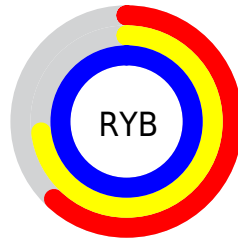
The Yxy color **54.4216, 0.2495, 0.2605** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.8704, 0.3839, 0.3886**, and the grayscale version is **52.5217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5507, 0.2888, 0.3279**, and **26.6057, 0.2340, 0.2431** is the 20% darker color. If you saturate the color by 10%, you get **45.5179, 0.2322, 0.2384**, and if you desaturate by 10%, it is **64.5668, 0.2669, 0.2811**.

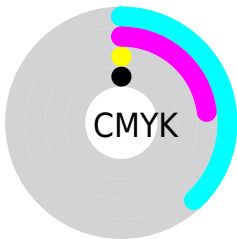
Distribution



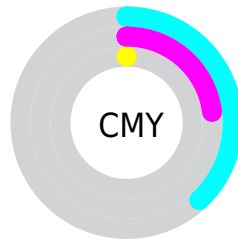
- Red (62%)
- Green (77%)
- Blue (100%)



- Red (62%)
- Yellow (73%)
- Blue (100%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4216, 0.2495, 0.2605 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 54.4216, 0.2495, 0.2605 by changing the saturation by 10% instead.


 54.4216, 0.2495,
0.2605


 54.4216, 0.2495,
0.2605


403.7157, 0.2796,
0.2930

 38.9388, 0.2425,
0.2530


 96.6930, 0.2600,
0.2719

 26.7121, 0.2339,
0.2437

 124.2504, 0.2641,
0.2763

 17.3571, 0.2229,
0.2319


156.6015, 0.2676,
0.2800

 10.4895, 0.2085,
0.2165

194.1306, 0.2706,
0.2833

 5.7247, 0.1892,
0.1958

237.2222, 0.2733,
0.2862

 2.6784, 0.1620,
0.1670

286.2606, 0.2756,

 0.9662, 0.1227,

0.2887

0.1253

341.6303, 0.2777,
0.2910

0.0000, 0.0000,
0.0000

54.4216, 0.2495,
0.2605

54.4216, 0.2495,
0.2605

45.5179, 0.2322,
0.2384

64.5668, 0.2669,
0.2811

37.7959, 0.2156,
0.2153

75.9983, 0.2839,
0.2999

31.1986, 0.2003,
0.1918

88.7653, 0.3003,
0.3168

25.6609, 0.1871,
0.1686

100.0000, 0.3127,
0.3290

21.1085, 0.1766,
0.1467

■ 17.4481, 0.1689,
0.1270

■ 16.8078, 0.1676,
0.1233

Harmonies

Analogous

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



54.4216, 0.2340, 0.2763



54.4216, 0.2495, 0.2605



54.4216, 0.2817, 0.2618

Triad

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



54.4216, 0.2495, 0.2605



54.4216, 0.3942, 0.3405



54.4216, 0.2968, 0.3888

Complementary

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



54.4216, 0.2495, 0.2605



72.8704, 0.3839, 0.3886

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.



54.4216, 0.3398, 0.4068



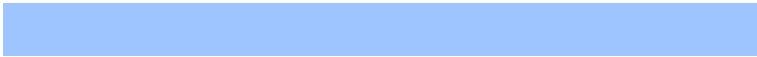
54.4216, 0.2495, 0.2605



54.4216, 0.3977, 0.3744

Square

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



54.4216, 0.2495, 0.2605



54.4216, 0.3666, 0.3063



54.4216, 0.3771, 0.3999



54.4216, 0.2597, 0.3509

Rectangle

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



54.4216, 0.2495, 0.2605



54.4216, 0.3097, 0.2713



54.4216, 0.3771, 0.3999



54.4216, 0.3110, 0.3976

Sweetspot

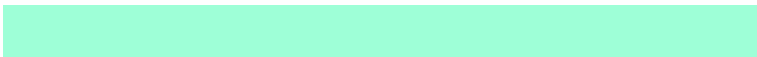
The Sweet Spot groups the original color and five complimentary colors.



54.4235, 0.2495, 0.2605



84.8186, 0.2955, 0.3119



83.6800, 0.2788, 0.3758



17.7789, 0.2933, 0.3097



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.



54.4235, 0.2495, 0.2605



47.2198, 0.2357, 0.2430



39.8111, 0.2479, 0.2144



18.5754, 0.2979, 0.3144



9.0557, 0.1684, 0.1263



1.0889, 0.1746, 0.1487

Inverse Universe

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



49.7612, 0.3687, 0.2887



42.8461, 0.3862, 0.2804



93.7500, 0.3644, 0.4257



18.1080, 0.3231, 0.3195



11.6421, 0.5377, 0.2736



1.1545, 0.5076, 0.2570

Previews

White Background



This preview shows how the Yxy color 54.4216, 0.2495, 0.2605 looks on a white background.

Color Contrast Check

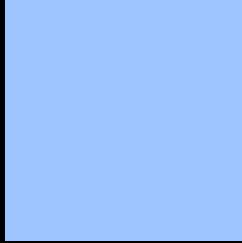
Large Text (above 18pt) WCAG AA × Fail

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 54.4216, 0.2495, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

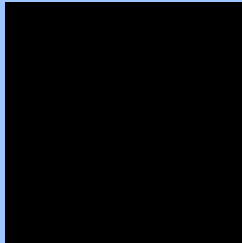
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

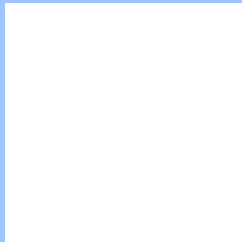
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.4216, 0.2495, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 54.4216, 0.2495, 0.2605.



This preview shows how white text looks on a background with the Yxy color 54.4216, 0.2495, 0.2605.

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

54.4216, 0.2495, 0.2605

Protanopia

54.2480, 0.2638, 0.2609

Deuteranopia

54.1849, 0.2620, 0.2558



Tritanopia

54.2687, 0.2642, 0.3072

Trichromacy



Original Color

54.4216, 0.2495, 0.2605

Protanomaly

54.2698, 0.2584, 0.2613

Deuteranomaly

54.1306, 0.2572, 0.2572

Tritanomaly

54.3319, 0.2584, 0.2892

Monochromacy



Original Color

54.4216, 0.2495, 0.2605

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.1932, 0.2871, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4216, 0.2495, 0.2605 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, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 197, 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, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.4216, 0.2495, 0.2605 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, 197, 255) }
```

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

```
.border{ border-color:rgb(158, 197, 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, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4216, 0.2495, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 197, 255) }
```

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

```
.background{ background-color: rgb(158,  
197, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor