

Converting Colors

Yxy(51.7341, 0.2457, 0.2539)

Have a look what the booklet for
Yxy(51.7341, 0.2457, 0.2539)
contains.

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Color

Yxy(51.6916, 0.2457, 0.2538)

Conversions

Conversions Part 1

Format	Color
Hex	99C0FF
RGB	153, 192, 255
RGB Percent	60%, 75%, 100%
CMY	0.3998, 0.2471, 0.0000
CMYK	0.40, 0.25, 0.00, 0.00
HSL	217°, 100%, 80%
HSV	217°, 40%, 100%
XYZ	50.0419, 51.6916, 101.9371
YIQ	187.5210, -43.4670, 11.3250

Conversions

Conversions Part 2

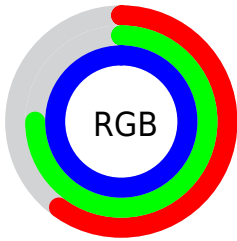
Format	Color
R _Y B	153, 181, 255
Decimal	10076415
CIE Lab	77.10, 2.46, -35.14
CIE LCh	77, 35.229, 274.010
Yxy	51.6916, 0.2457, 0.2538
Android (android.graphics.Color)	4288266495 (0xFF99C0FF)
YUV	187.5210, 33.2671, -30.2749
Hunter-Lab	71.8969, -1.5794, -33.7350

Details

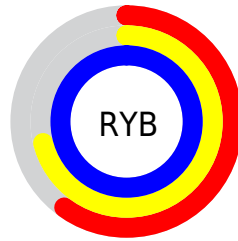
The Yxy color **51.6916, 0.2457, 0.2538** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.6962, 0.3875, 0.3936**, and the grayscale version is **49.8367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0564, 0.2857, 0.3217**, and **25.0838, 0.2289, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **42.9174, 0.2282, 0.2307**, and if you desaturate by 10%, it is **61.7408, 0.2633, 0.2754**.

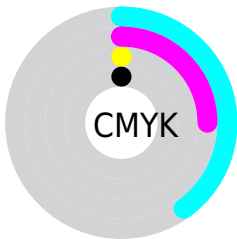
Distribution



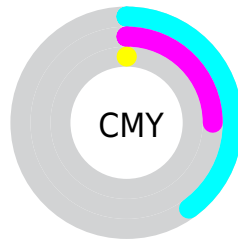
- Red (60%)
- Green (75%)
- Blue (100%)



- Red (60%)
- Yellow (71%)
- Blue (100%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6916, 0.2457, 0.2538 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 51.6916, 0.2457, 0.2538 by changing the saturation by 10% instead.

■ 51.6916, 0.2457,
0.2538

■ 51.6916, 0.2457,
0.2538

393.2449, 0.2778,
0.2895

■ 36.7593, 0.2382,
0.2455

■ 92.6763, 0.2570,
0.2663

■ 25.0212, 0.2289,
0.2353

■ 119.4974, 0.2613,
0.2712

■ 16.0928, 0.2171,
0.2223

151.0503, 0.2651,
0.2753

■ 9.5899, 0.2017,
0.2055

187.7194, 0.2683,
0.2789

■ 5.1279, 0.1808,
0.1829

229.8890, 0.2711,
0.2821

■ 2.3225, 0.1517,
0.1516

277.9435, 0.2736,

■ 0.7856, 0.1101,

0.2848

0.1072

332.2673, 0.2758,
0.2873

0.0000, 0.0000,
0.0000

51.6916, 0.2457,
0.2538

51.6916, 0.2457,
0.2538

42.9174, 0.2282,
0.2307

61.7408, 0.2633,
0.2754

35.3550, 0.2116,
0.2067

73.1124, 0.2806,
0.2952

28.9441, 0.1964,
0.1824

85.8582, 0.2971,
0.3131

23.6151, 0.1835,
0.1589

99.9993, 0.3127,
0.3290

19.2889, 0.1733,
0.1371

■ 15.8517, 0.1660,
0.1177

■ 15.8443, 0.1660,
0.1176

Harmonies

Analogous

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



51.6916, 0.2275, 0.2693



51.6916, 0.2457, 0.2538



51.6916, 0.2817, 0.2567

Triad

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



51.6916, 0.2457, 0.2538



51.6916, 0.4035, 0.3438



51.6916, 0.2917, 0.3927

Complementary

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



51.6916, 0.2457, 0.2538



72.6962, 0.3875, 0.3936

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.



51.6916, 0.3386, 0.4144



51.6916, 0.2457, 0.2538



51.6916, 0.4051, 0.3806

Square

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



51.6916, 0.2457, 0.2538



51.6916, 0.3748, 0.3065



51.6916, 0.3806, 0.4079



51.6916, 0.2523, 0.3494

Rectangle

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



51.6916, 0.2457, 0.2538



51.6916, 0.3127, 0.2678



51.6916, 0.3806, 0.4079



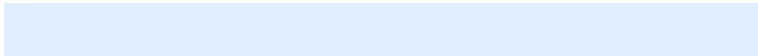
51.6916, 0.3071, 0.4030

Sweetspot

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



51.6936, 0.2457, 0.2538



83.1737, 0.2939, 0.3096



83.2437, 0.2757, 0.3745



17.4371, 0.2917, 0.3074



0.0000, 0.0000, 0.0000



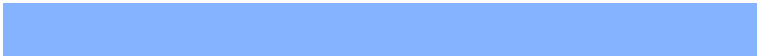
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.6936, 0.2457, 0.2538



44.5580, 0.2316, 0.2354



38.0131, 0.2463, 0.2083



18.5152, 0.2979, 0.3139



8.5455, 0.1669, 0.1207



1.0352, 0.1731, 0.1431

Inverse Universe

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



47.8636, 0.3748, 0.2886



41.1949, 0.3937, 0.2808



92.8862, 0.3646, 0.4313



18.1019, 0.3234, 0.3200



11.5906, 0.5457, 0.2780



1.1491, 0.5150, 0.2611

Previews

White Background



This preview shows how the Yxy color 51.6916, 0.2457, 0.2538 looks on a white background.

Color Contrast Check

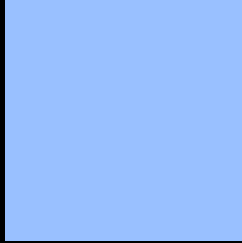
Large Text (above 18pt) WCAG AA × Fail

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 51.6916, 0.2457, 0.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

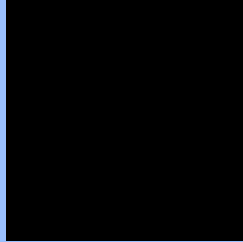
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

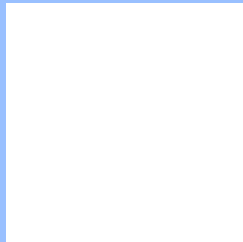
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6916, 0.2457, 0.2538

Background



This preview shows how black text looks on a background with the Yxy color 51.6916, 0.2457, 0.2538.



This preview shows how white text looks on a background with the Yxy color 51.6916, 0.2457, 0.2538.

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

51.6916, 0.2457, 0.2538

Protanopia

51.7654, 0.2581, 0.2542

Deuteranopia

51.5313, 0.2563, 0.2500



Tritanopia

51.5928, 0.2627, 0.3079

Trichromacy



Original Color

51.6916, 0.2457, 0.2538

Protanomaly

51.4864, 0.2533, 0.2535

Deuteranomaly

51.6145, 0.2522, 0.2515

Tritanomaly

51.3961, 0.2561, 0.2858

Monochromacy



Original Color

51.6916, 0.2457, 0.2538

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.2626, 0.2851, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6916, 0.2457, 0.2538 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, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 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, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.6916, 0.2457, 0.2538 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, 192, 255) }
```

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

```
.border{ border-color:rgb(153, 192, 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, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6916, 0.2457, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 255) }
```

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

```
.background{ background-color: rgb(153,  
192, 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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