

Converting Colors

$Yxy(52.1057, 0.2489, 0.2844)$

Have a look what the booklet for
Yxy(52.1057, 0.2489, 0.2844)
contains.

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Color

Yxy(52.1057, 0.2489, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	89C7EA
RGB	137, 199, 234
RGB Percent	54%, 78%, 92%
CMY	0.4624, 0.2197, 0.0823
CMYK	0.41, 0.15, 0.00, 0.08
HSL	202°, 70%, 73%
HSV	202°, 41%, 92%
XYZ	45.6016, 52.1057, 85.5054
YIQ	184.4520, -48.1870, -2.2590

Conversions

Conversions Part 2

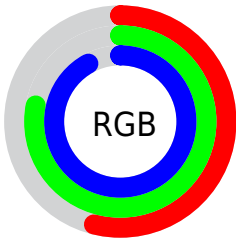
Format	Color
R_{YB}	137, 175, 234
Decimal	9029610
CIE _{Lab}	77.34, -10.92, -23.58
CIE _{LCh}	77, 25.986, 245.156
Yxy	52.1057, 0.2489, 0.2844
Android (android.graphics.Color)	4287219690 (0xFF89C7EA)
YUV	184.4520, 24.4272, -41.6154
Hunter-Lab	72.1843, -13.5570, -19.7026

Details

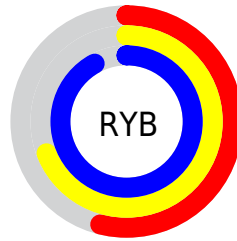
The Yxy color **52.1057, 0.2489, 0.2844** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.8477, 0.4020, 0.3690**, and the grayscale version is **48.0878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **25.2145, 0.2327, 0.2722** is the 20% darker color. If you saturate the color by 10%, you get **46.5551, 0.2348, 0.2714**, and if you desaturate by 10%, it is **58.3054, 0.2639, 0.2967**.

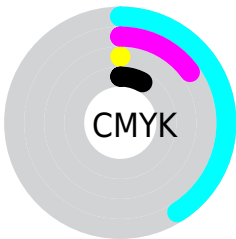
Distribution



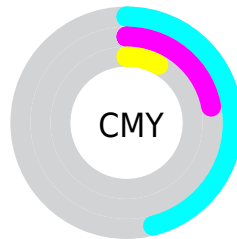
- Red (54%)
- Green (78%)
- Blue (92%)



- Red (54%)
- Yellow (69%)
- Blue (92%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)



- Cyan (46%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1057, 0.2489, 0.2844 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 52.1057, 0.2489, 0.2844 by changing the saturation by 10% instead.

■ 52.1057, 0.2489,
0.2844

■ 52.1057, 0.2489,
0.2844

■ 394.8445, 0.2794,
0.3065

■ 37.0893, 0.2417,
0.2790

■ 93.2871, 0.2596,
0.2923

■ 25.2767, 0.2328,
0.2722

■ 120.2209, 0.2638,
0.2954

■ 16.2833, 0.2214,
0.2633

■ 151.8960, 0.2673,
0.2979

■ 9.7248, 0.2063,
0.2512

■ 188.6968, 0.2704,
0.3001

■ 5.2169, 0.1857,
0.2341

■ 231.0077, 0.2731,
0.3020

■ 2.3751, 0.1561,
0.2082

■ 279.2130, 0.2754,

■ 0.8130, 0.1042,

0.3037

0.1673

333.6971, 0.2775,
0.3052

0.0000, 0.0000,
0.0000

52.1057, 0.2489,
0.2844

52.1057, 0.2489,
0.2844

46.5551, 0.2348,
0.2714

58.3054, 0.2639,
0.2967

41.6163, 0.2220,
0.2578

65.1771, 0.2794,
0.3080

37.2562, 0.2108,
0.2438

72.7497, 0.2950,
0.3184

33.4353, 0.2017,
0.2297

81.0482, 0.3105,
0.3277

30.1068, 0.1946,
0.2158

90.0964, 0.3257,
0.3361

■ 27.5815, 0.1901,
0.2042

■ 95.3997, 0.3255,
0.3443

■ 98.7213, 0.3250,
0.3493

Harmonies

Analogous

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



52.1057, 0.2501, 0.3097



52.1057, 0.2489, 0.2844



52.1057, 0.2635, 0.2725

Triad

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



52.1057, 0.2489, 0.2844



52.1057, 0.3594, 0.3137



52.1057, 0.3313, 0.3906

Complementary

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



52.1057, 0.2489, 0.2844



48.8477, 0.4020, 0.3690

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.



52.1057, 0.3624, 0.3880



52.1057, 0.2489, 0.2844



52.1057, 0.3796, 0.3423

Square

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



52.1057, 0.2489, 0.2844



52.1057, 0.3265, 0.2896



52.1057, 0.3805, 0.3694



52.1057, 0.2964, 0.3738

Rectangle

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



52.1057, 0.2489, 0.2844



52.1057, 0.2809, 0.2725



52.1057, 0.3805, 0.3694



52.1057, 0.3426, 0.3918

Sweetspot

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



52.1077, 0.2489, 0.2844



87.7986, 0.2940, 0.3177



67.1190, 0.2886, 0.4112



18.5249, 0.2920, 0.3164



0.0000, 0.0000, 0.0000



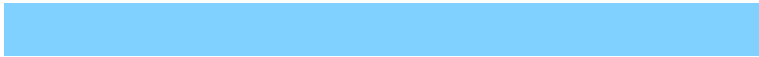
21.4041, 0.3127, 0.3290

Same Dimension

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



52.1077, 0.2489, 0.2844



57.3374, 0.2364, 0.2730



33.5991, 0.2386, 0.2205



16.1533, 0.2981, 0.3203



15.7443, 0.1907, 0.2063



1.4177, 0.1959, 0.2252

Inverse Universe

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



39.5312, 0.3510, 0.2608



41.1682, 0.3625, 0.2471



70.2136, 0.3804, 0.4179



15.2160, 0.3193, 0.3141



11.0822, 0.4382, 0.2188



0.8885, 0.4177, 0.2074

Previews

White Background



This preview shows how the Yxy color 52.1057, 0.2489, 0.2844 looks on a white background.

Color Contrast Check

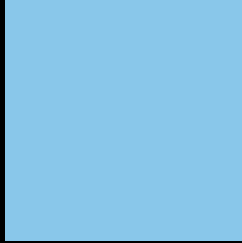
Large Text (above 18pt) WCAG AA × Fail

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 52.1057, 0.2489, 0.2844 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 52.1057, 0.2489, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 52.1057, 0.2489, 0.2844.



This preview shows how white text looks on a background with the Yxy color 52.1057, 0.2489, 0.2844.

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

52.1057, 0.2489, 0.2844

Protanopia

51.8863, 0.2803, 0.2832

Deuteranopia

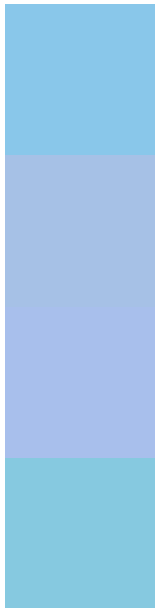
51.5465, 0.2757, 0.2689



Tritanopia

52.2896, 0.2558, 0.3078

Trichromacy



Original Color

52.1057, 0.2489, 0.2844

Protanomaly

51.9601, 0.2677, 0.2834

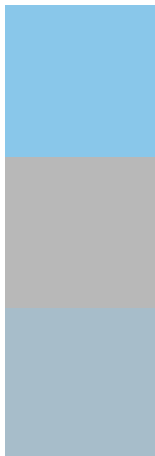
Deuteranomaly

51.6426, 0.2652, 0.2743

Tritanomaly

52.2234, 0.2529, 0.2990

Monochromacy



Original Color

52.1057, 0.2489, 0.2844

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.8749, 0.2860, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1057, 0.2489, 0.2844 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(137, 199, 234)` looks like.

```
.text, #text, p{  
    color:rgb(137, 199, 234)  
}
```

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(137, 199, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 199, 234) }
```

Border

The CSS property to change the border of an element to Yxy 52.1057, 0.2489, 0.2844 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(137, 199, 234) }
```

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

```
.border{ border-color:rgb(137, 199, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 199, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 199, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 199, 234);  
box-shadow:4px 4px 4px 4px rgb(137, 199,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1057, 0.2489, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 199, 234) }
```

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

```
.background{ background-color: rgb(137,  
199, 234) }
```

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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