

Converting Colors

$Yxy(52.2456, 0.2570, 0.2644)$

Have a look what the booklet for
Yxy(52.2456, 0.2570, 0.2644)
contains.

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Color

Yxy(52.2456, 0.2570, 0.2644)

Conversions

Conversions Part 1

Format	Color
Hex	A4C0F6
RGB	164, 192, 246
RGB Percent	64%, 75%, 96%
CMY	0.3570, 0.2470, 0.0354
CMYK	0.33, 0.22, 0.00, 0.04
HSL	219°, 82%, 80%
HSV	219°, 33%, 96%
XYZ	50.7834, 52.2456, 94.5716
YIQ	189.7840, -34.0220, 10.8580

Conversions

Conversions Part 2

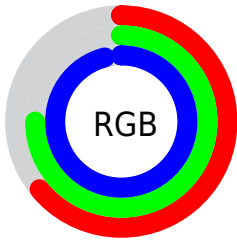
Format	Color
RYB	164, 185, 246
Decimal	10797302
CIELab	77.43, 3.02, -29.74
CIELCh	77, 29.894, 275.798
Yxy	52.2456, 0.2570, 0.2644
Android (android.graphics.Color)	4288987382 (0xFFA4C0F6)
YUV	189.7840, 27.7145, -22.6126
Hunter-Lab	72.2811, -1.0812, -26.9775

Details

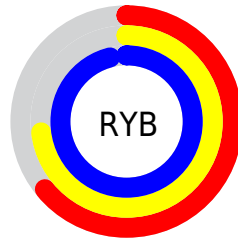
The Yxy color **52.2456, 0.2570, 0.2644** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.3625, 0.3720, 0.3859**, and the grayscale version is **51.2108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7270, 0.2921, 0.3218**, and **25.4979, 0.2428, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **43.1591, 0.2390, 0.2408**, and if you desaturate by 10%, it is **62.6234, 0.2747, 0.2862**.

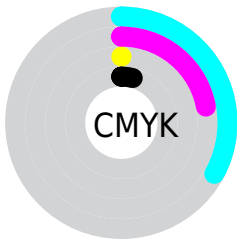
Distribution



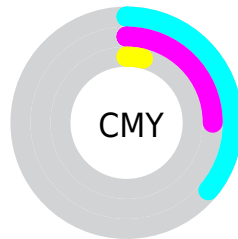
- Red (64%)
- Green (75%)
- Blue (96%)



- Red (64%)
- Yellow (73%)
- Blue (96%)



- Cyan (33%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2456, 0.2570, 0.2644 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 52.2456, 0.2570, 0.2644 by changing the saturation by 10% instead.

■ 52.2456, 0.2570,
0.2644

■ 52.2456, 0.2570,
0.2644

■ 395.3840, 0.2838,
0.2952

■ 37.2009, 0.2507,
0.2572

■ 93.4933, 0.2665,
0.2752

■ 25.3631, 0.2428,
0.2482

■ 120.4652, 0.2701,
0.2794

■ 16.3478, 0.2326,
0.2368

■ 152.1815, 0.2732,
0.2830

■ 9.7706, 0.2192,
0.2218

■ 189.0266, 0.2759,
0.2861

■ 5.2471, 0.2008,
0.2013

■ 231.3851, 0.2783,
0.2888

■ 2.3930, 0.1742,
0.1723

■ 279.6412, 0.2804,

■ 0.8223, 0.1342,

0.2912

0.1290

334.1794, 0.2822,
0.2933

0.0000, 0.0000,
0.0000

52.2456, 0.2570,
0.2644

52.2456, 0.2570,
0.2644

43.1591, 0.2390,
0.2408

62.6234, 0.2747,
0.2862

35.3035, 0.2212,
0.2158

74.3374, 0.2917,
0.3059

28.6219, 0.2044,
0.1902

87.4377, 0.3076,
0.3236

23.0501, 0.1895,
0.1649

99.4320, 0.3179,
0.3376

18.5163, 0.1770,
0.1411

■ 14.9376, 0.1677,
0.1197

■ 13.0172, 0.1631,
0.1072

Harmonies

Analogous

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



52.2456, 0.2402, 0.2772



52.2456, 0.2570, 0.2644



52.2456, 0.2889, 0.2675

Triad

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



52.2456, 0.2570, 0.2644



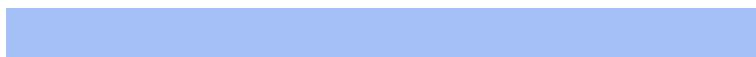
52.2456, 0.3900, 0.3443



52.2456, 0.2930, 0.3804

Complementary

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



52.2456, 0.2570, 0.2644



72.3625, 0.3720, 0.3859

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.



52.2456, 0.3329, 0.4001



52.2456, 0.2570, 0.2644



52.2456, 0.3903, 0.3754

Square

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



52.2456, 0.2570, 0.2644



52.2456, 0.3672, 0.3119



52.2456, 0.3688, 0.3969



52.2456, 0.2598, 0.3441

Rectangle

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



52.2456, 0.2570, 0.2644



52.2456, 0.3154, 0.2776



52.2456, 0.3688, 0.3969



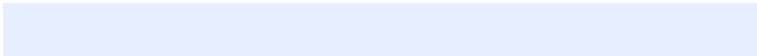
52.2456, 0.3060, 0.3894

Sweetspot

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



52.2476, 0.2570, 0.2644



85.2404, 0.2971, 0.3120



78.8051, 0.2796, 0.3624



17.8274, 0.2948, 0.3095



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.



52.2476, 0.2570, 0.2644



49.9156, 0.2449, 0.2487



42.4487, 0.2613, 0.2318



16.8536, 0.2980, 0.3130



7.1836, 0.1639, 0.1101



0.8148, 0.1708, 0.1349

Inverse Universe

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



49.9302, 0.3639, 0.2989



47.6689, 0.3789, 0.2927



86.0086, 0.3544, 0.4149



16.5761, 0.3240, 0.3209



10.8246, 0.5609, 0.2863



0.9699, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 52.2456, 0.2570, 0.2644 looks on a white background.

Color Contrast Check

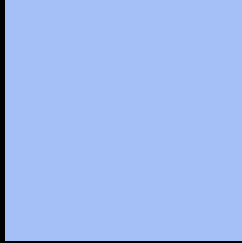
Large Text (above 18pt) WCAG AA × Fail

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 52.2456, 0.2570, 0.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

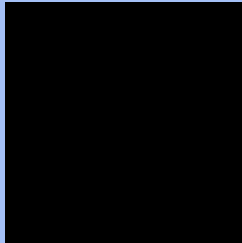
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

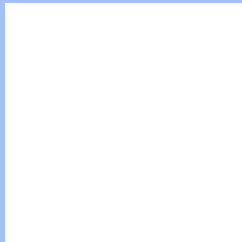
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2456, 0.2570, 0.2644

Background



This preview shows how black text looks on a background with the Yxy color 52.2456, 0.2570, 0.2644.



This preview shows how white text looks on a background with the Yxy color 52.2456, 0.2570, 0.2644.

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

52.2456, 0.2570, 0.2644

Protanopia

52.2740, 0.2662, 0.2642

Deuteranopia

52.3851, 0.2663, 0.2603



Tritanopia

52.4113, 0.2721, 0.3084

Trichromacy



Original Color

52.2456, 0.2570, 0.2644

Protanomaly

52.1901, 0.2624, 0.2638

Deuteranomaly

52.1093, 0.2624, 0.2608

Tritanomaly

52.4444, 0.2665, 0.2914

Monochromacy



Original Color

52.2456, 0.2570, 0.2644

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.7385, 0.2911, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2456, 0.2570, 0.2644 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(164, 192, 246)` looks like.

```
.text, #text, p{  
    color:rgb(164, 192, 246)  
}
```

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(164, 192, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 192, 246) }
```

Border

The CSS property to change the border of an element to Yxy 52.2456, 0.2570, 0.2644 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(164, 192, 246) }
```

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

```
.border{ border-color:rgb(164, 192, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 192, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 192, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 192, 246);  
box-shadow:4px 4px 4px 4px rgb(164, 192,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2456, 0.2570, 0.2644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 192, 246) }
```

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

```
.background{ background-color: rgb(164,  
192, 246) }
```

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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