

Converting Colors

$Yxy(52.4504, 0.2580, 0.2672)$

Have a look what the booklet for
Yxy(52.4504, 0.2580, 0.2672)
contains.

Yxy(52.5641, 0.2583, 0.2677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5641, 0.2583, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	A4C1F4
RGB	164, 193, 244
RGB Percent	64%, 76%, 96%
CMY	0.3567, 0.2432, 0.0431
CMYK	0.33, 0.21, 0.00, 0.04
HSL	218°, 78%, 80%
HSV	218°, 33%, 96%
XYZ	50.7184, 52.5641, 93.0720
YIQ	190.1430, -33.6550, 9.7130

Conversions

Conversions Part 2

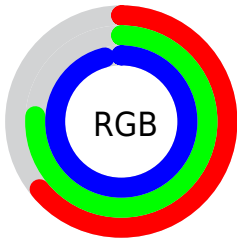
Format	Color
RYB	164, 185, 244
Decimal	10797556
CIELab	77.62, 2.03, -28.40
CIElCh	78, 28.473, 274.088
Yxy	52.5641, 0.2583, 0.2677
Android (android.graphics.Color)	4288987636 (0xFFA4C1F4)
YUV	190.1430, 26.5515, -22.9274
Hunter-Lab	72.5011, -2.0067, -25.3617

Details

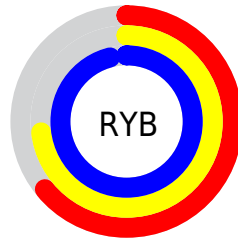
The Yxy color **52.5641, 0.2583, 0.2677** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.5596, 0.3713, 0.3833**, and the grayscale version is **51.4443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3435, 0.2921, 0.3229**, and **25.7020, 0.2444, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **43.6876, 0.2405, 0.2450**, and if you desaturate by 10%, it is **62.6676, 0.2758, 0.2887**.

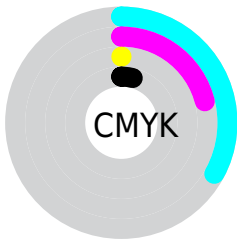
Distribution



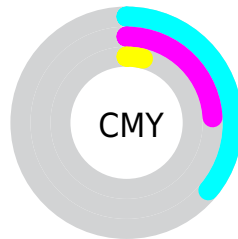
- Red (64%)
- Green (76%)
- Blue (96%)



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



- Cyan (33%)
- Magenta (21%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5641, 0.2583, 0.2677 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 52.5641, 0.2583, 0.2677 by changing the saturation by 10% instead.

■ 52.5641, 0.2583,
0.2677

■ 52.5641, 0.2583,
0.2677

■ 396.6105, 0.2845,
0.2970

■ 37.4549, 0.2521,
0.2608

■ 93.9626, 0.2676,
0.2780

■ 25.5599, 0.2444,
0.2523

■ 121.0208, 0.2711,
0.2820

■ 16.4947, 0.2345,
0.2413

■ 152.8307, 0.2741,
0.2854

■ 9.8749, 0.2214,
0.2269

■ 189.7767, 0.2768,
0.2884

■ 5.3161, 0.2033,
0.2071

■ 232.2433, 0.2791,
0.2909

■ 2.4339, 0.1772,
0.1788

■ 280.6149, 0.2811,

■ 0.8432, 0.1375,

0.2932

0.1363

335.2758, 0.2829,
0.2952

0.0000, 0.0000,
0.0000

52.5641, 0.2583,
0.2677

52.5641, 0.2583,
0.2677

43.6876, 0.2405,
0.2450

62.6676, 0.2758,
0.2887

35.9812, 0.2230,
0.2208

74.0397, 0.2926,
0.3077

29.3919, 0.2064,
0.1960

86.7274, 0.3085,
0.3247

23.8597, 0.1915,
0.1712

99.3126, 0.3191,
0.3395

19.3176, 0.1791,
0.1476

■ 15.6883, 0.1697,
0.1262

■ 13.5617, 0.1646,
0.1125

Harmonies

Analogous

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



52.5641, 0.2431, 0.2810



52.5641, 0.2583, 0.2677



52.5641, 0.2880, 0.2698

Triad

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



52.5641, 0.2583, 0.2677



52.5641, 0.3855, 0.3420



52.5641, 0.2961, 0.3793

Complementary

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



52.5641, 0.2583, 0.2677



70.5596, 0.3713, 0.3833

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.



52.5641, 0.3342, 0.3968



52.5641, 0.2583, 0.2677



52.5641, 0.3871, 0.3718

Square

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



52.5641, 0.2583, 0.2677



52.5641, 0.3627, 0.3112



52.5641, 0.3678, 0.3929



52.5641, 0.2638, 0.3455

Rectangle

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



52.5641, 0.2583, 0.2677



52.5641, 0.3131, 0.2789



52.5641, 0.3678, 0.3929



52.5641, 0.3086, 0.3874

Sweetspot

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



52.5661, 0.2583, 0.2677



85.5341, 0.2971, 0.3125



77.4996, 0.2809, 0.3634



17.8982, 0.2948, 0.3101



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.



52.5661, 0.2583, 0.2677



51.7398, 0.2470, 0.2535



42.1838, 0.2614, 0.2335



16.9084, 0.2980, 0.3135



7.6091, 0.1654, 0.1154



0.8567, 0.1723, 0.1402

Inverse Universe

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



49.6558, 0.3612, 0.2978



48.6715, 0.3746, 0.2916



84.7762, 0.3546, 0.4131



16.5816, 0.3237, 0.3205



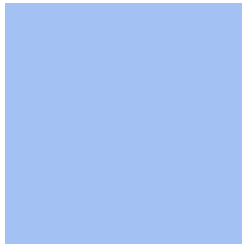
10.8675, 0.5532, 0.2821



0.9741, 0.5188, 0.2632

Previews

White Background



This preview shows how the Yxy color 52.5641, 0.2583, 0.2677 looks on a white background.

Color Contrast Check

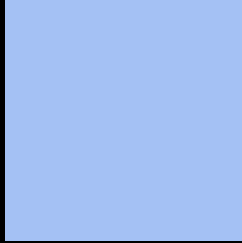
Large Text (above 18pt) WCAG AA × Fail

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 52.5641, 0.2583, 0.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

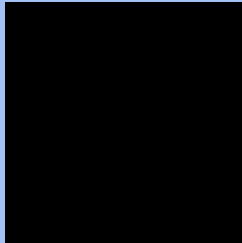
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

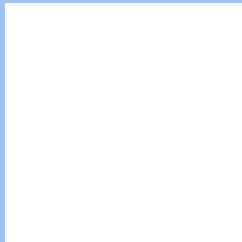
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5641, 0.2583, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 52.5641, 0.2583, 0.2677.



This preview shows how white text looks on a background with the Yxy color 52.5641, 0.2583, 0.2677.

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

52.5641, 0.2583, 0.2677

Protanopia

52.2110, 0.2687, 0.2675

Deuteranopia

52.5041, 0.2689, 0.2626



Tritanopia

52.4113, 0.2721, 0.3084

Trichromacy



Original Color

52.5641, 0.2583, 0.2677

Protanomaly

52.1220, 0.2648, 0.2671

Deuteranomaly

52.5334, 0.2644, 0.2642

Tritanomaly

52.3897, 0.2671, 0.2926

Monochromacy



Original Color

52.5641, 0.2583, 0.2677

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 52.5641, 0.2583, 0.2677 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, 193, 244)` looks like.

```
.text, #text, p{  
    color:rgb(164, 193, 244)  
}
```

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, 193, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 193, 244) }
```

Border

The CSS property to change the border of an element to Yxy 52.5641, 0.2583, 0.2677 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, 193, 244) }
```

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

```
.border{ border-color:rgb(164, 193, 244) }
```

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

Here you see how a box with a 4 pixel rgb(164, 193, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 193, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 193, 244);  
box-shadow:4px 4px 4px 4px rgb(164, 193,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5641, 0.2583, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 193, 244) }
```

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

```
.background{ background-color: rgb(164,  
193, 244) }
```

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