

Converting Colors

$Yxy(52.5153, 0.2676, 0.2756)$

Have a look what the booklet for
Yxy(52.5153, 0.2676, 0.2756)
contains.

Yxy(52.5261, 0.2680, 0.2760)	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(52.5261, 0.2680, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	ACC0EC
RGB	172, 192, 236
RGB Percent	67%, 75%, 93%
CMY	0.3254, 0.2471, 0.0746
CMYK	0.27, 0.19, 0.00, 0.07
HSL	221°, 63%, 80%
HSV	221°, 27%, 93%
XYZ	51.0036, 52.5261, 86.7823
YIQ	191.0360, -26.0440, 9.4440

Conversions

Conversions Part 2

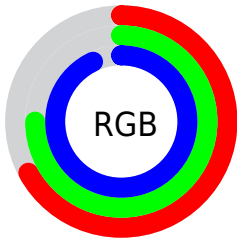
Format	Color
R _Y B	172, 187, 236
Decimal	11321580
CIE Lab	77.59, 2.89, -24.06
CIE LCh	78, 24.236, 276.839
Yxy	52.5261, 0.2680, 0.2760
Android (android.graphics.Color)	4289511660 (0xFFACC0EC)
YUV	191.0360, 22.1673, -16.6946
Hunter-Lab	72.4749, -1.2132, -20.2621

Details

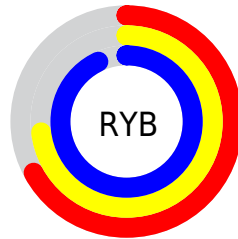
The Yxy color **52.5261, 0.2680, 0.2760** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.9165, 0.3589, 0.3768**, and the grayscale version is **52.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8488, 0.2963, 0.3219**, and **25.6121, 0.2562, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **43.3534, 0.2499, 0.2525**, and if you desaturate by 10%, it is **62.9627, 0.2854, 0.2974**.

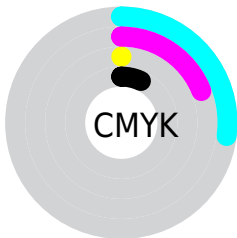
Distribution



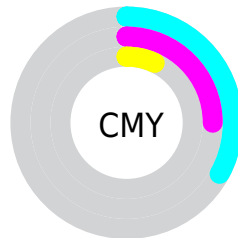
- Red (67%)
- Green (75%)
- Blue (93%)



- Red (67%)
- Yellow (73%)
- Blue (93%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5261, 0.2680, 0.2760 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 52.5261, 0.2680, 0.2760 by changing the saturation by 10% instead.

■ 52.5261, 0.2680,
0.2760

■ 52.5261, 0.2680,
0.2760

396.4643, 0.2897,
0.3014

■ 37.4246, 0.2628,
0.2700

■ 93.9067, 0.2757,
0.2850

■ 25.5364, 0.2563,
0.2625

120.9545, 0.2786,
0.2884

■ 16.4771, 0.2480,
0.2528

152.7533, 0.2811,
0.2914

■ 9.8624, 0.2368,
0.2400

189.6873, 0.2833,
0.2939

■ 5.3078, 0.2211,
0.2222

232.1410, 0.2852,
0.2962

■ 2.4290, 0.1979,
0.1962

280.4988, 0.2869,

■ 0.8407, 0.1610,

0.2981

0.1556

335.1451, 0.2883,
0.2999

0.0000, 0.0000,
0.0000

52.5261, 0.2680,
0.2760

52.5261, 0.2680,
0.2760

43.3534, 0.2499,
0.2525

62.9627, 0.2854,
0.2974

35.3877, 0.2316,
0.2273

74.7042, 0.3018,
0.3167

28.5771, 0.2138,
0.2009

87.7976, 0.3170,
0.3337

22.8630, 0.1972,
0.1744

98.8343, 0.3238,
0.3474

18.1809, 0.1828,
0.1488

■ 14.4580, 0.1713,
0.1254

■ 11.6073, 0.1631,
0.1053

■ 10.9132, 0.1612,
0.1001

Harmonies

Analogous

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



52.5261, 0.2535, 0.2866



52.5261, 0.2680, 0.2760



52.5261, 0.2946, 0.2787

Triad

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



52.5261, 0.2680, 0.2760



52.5261, 0.3754, 0.3431



52.5261, 0.2959, 0.3692

Complementary

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



52.5261, 0.2680, 0.2760



69.9165, 0.3589, 0.3768

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.



52.5261, 0.3284, 0.3857



52.5261, 0.2680, 0.2760



52.5261, 0.3753, 0.3681

Square

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



52.5261, 0.2680, 0.2760



52.5261, 0.3576, 0.3162



52.5261, 0.3576, 0.3845



52.5261, 0.2689, 0.3403

Rectangle

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



52.5261, 0.2680, 0.2760



52.5261, 0.3163, 0.2873



52.5261, 0.3576, 0.3845



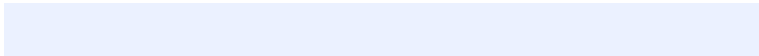
52.5261, 0.3065, 0.3765

Sweetspot

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



52.5282, 0.2680, 0.2760



87.7084, 0.3003, 0.3150



73.6900, 0.2841, 0.3527



18.3034, 0.2979, 0.3122



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.



52.5282, 0.2680, 0.2760



55.8554, 0.2571, 0.2620



45.7299, 0.2742, 0.2528



15.3166, 0.2980, 0.3123



6.2207, 0.1619, 0.1029



0.6546, 0.1696, 0.1303

Inverse Universe

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



51.1493, 0.3532, 0.3069



54.3666, 0.3656, 0.3018



78.8390, 0.3451, 0.3987



15.1316, 0.3244, 0.3217



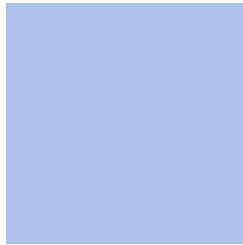
10.1208, 0.5715, 0.2922



0.8115, 0.5322, 0.2705

Previews

White Background



This preview shows how the Yxy color 52.5261, 0.2680, 0.2760 looks on a white background.

Color Contrast Check

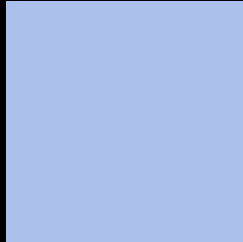
Large Text (above 18pt) WCAG AA × Fail

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 52.5261, 0.2680, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

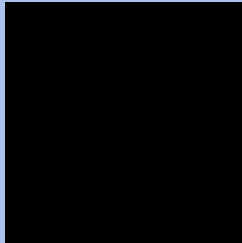
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

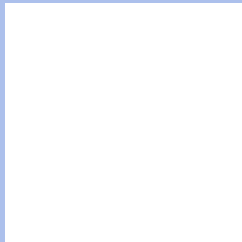
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5261, 0.2680, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 52.5261, 0.2680, 0.2760.



This preview shows how white text looks on a background with the Yxy color 52.5261, 0.2680, 0.2760.

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

52.5261, 0.2680, 0.2760

Protanopia

52.5912, 0.2752, 0.2766

Deuteranopia

52.6457, 0.2773, 0.2716



Tritanopia

52.4488, 0.2799, 0.3087

Trichromacy



Original Color

52.5261, 0.2680, 0.2760

Protanomaly

52.7247, 0.2725, 0.2764

Deuteranomaly

52.4547, 0.2739, 0.2722

Tritanomaly

52.6857, 0.2755, 0.2966

Monochromacy



Original Color

52.5261, 0.2680, 0.2760

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.9569, 0.2955, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5261, 0.2680, 0.2760 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(172, 192, 236)` looks like.

```
.text, #text, p{  
    color:rgb(172, 192, 236)  
}
```

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(172, 192, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 192, 236) }
```

Border

The CSS property to change the border of an element to Yxy 52.5261, 0.2680, 0.2760 is called "border". The border property can be set on classes, ids or directly on the HTML element.

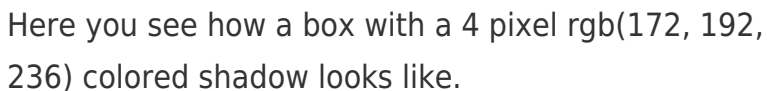
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 192, 236) }
```

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

```
.border{ border-color:rgb(172, 192, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 192, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 192, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 192, 236); box-shadow:4px 4px 4px 4px rgb(172, 192, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5261, 0.2680, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 192, 236) }
```

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

```
.background{ background-color: rgb(172,  
192, 236) }
```

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