

Converting Colors

$Y_{xy}(50.7473, 0.2282, 0.2940)$

Have a look what the booklet for
Yxy(50.7473, 0.2282, 0.2940)
contains.

Yxy(50.6927, 0.2280, 0.2937)	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(50.6927, 0.2280, 0.2937)

Conversions

Conversions Part 1

Format	Color
Hex	52CCE6
RGB	82, 204, 230
RGB Percent	32%, 80%, 90%
CMY	0.6784, 0.2000, 0.0981
CMYK	0.64, 0.11, 0.00, 0.10
HSL	191°, 75%, 61%
HSV	191°, 64%, 90%
XYZ	39.3529, 50.6927, 82.5547
YIQ	170.4860, -81.0580, -17.7780

Conversions

Conversions Part 2

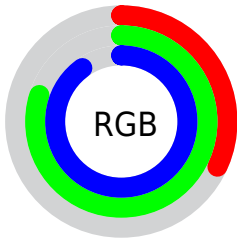
Format	Color
R _Y B	82, 149, 230
Decimal	5426406
CIE Lab	76.49, -26.01, -22.90
CIE LCh	76, 34.657, 221.362
Yxy	50.6927, 0.2280, 0.2937
Android (android.graphics.Color)	4283616486 (0xFF52CCE6)
YUV	170.4860, 29.3404, -77.6022
Hunter-Lab	71.1988, -25.9377, -18.9073

Details

The Yxy color **50.6927, 0.2280, 0.2937** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.1499, 0.5001, 0.3563**, and the grayscale version is **40.3365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **24.8687, 0.2125, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **47.9363, 0.2202, 0.2873**, and if you desaturate by 10%, it is **53.8479, 0.2377, 0.3000**.

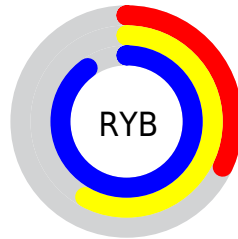
Distribution



Red (32%)

Green (80%)

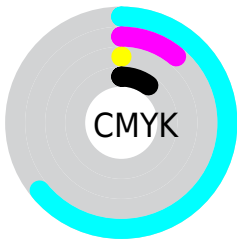
Blue (90%)



Red (32%)

Yellow (58%)

Blue (90%)

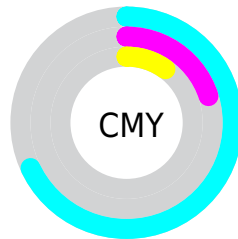


Cyan (64%)

Magenta (11%)

Yellow (0%)

Black (10%)



Cyan (68%)

Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6927, 0.2280, 0.2937 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 50.6927, 0.2280, 0.2937 by changing the saturation by 10% instead.

50.6927, 0.2280,
0.2937

50.6927, 0.2280,
0.2937

389.3687, 0.2682,
0.3122

35.9641, 0.2187,
0.2889

91.2004, 0.2421,
0.3005

24.4065, 0.2071,
0.2828

117.7482, 0.2475,
0.3031

15.6354, 0.1924,
0.2746

149.0046, 0.2522,
0.3052

9.2665, 0.1733,
0.2631

185.3540, 0.2563,
0.3070

4.9154, 0.1478,
0.2461

227.1807, 0.2598,
0.3086

2.1977, 0.1126,
0.2194

274.8691, 0.2629,

0.7188, 0.0122,

0.3099

0.1815

328.8036, 0.2657,
0.3111

■ 0.0000, 0.0000,
0.0000

■ 50.6927, 0.2280,
0.2937

■ 50.6927, 0.2280,
0.2937

■ 47.9363, 0.2202,
0.2873

■ 53.8479, 0.2377,
0.3000

■ 45.5366, 0.2143,
0.2810

■ 57.4278, 0.2491,
0.3061


■ 43.4511, 0.2103,
0.2747

■ 61.4623, 0.2620,
0.3119

■ 42.3703, 0.2087,
0.2711


■ 65.9768, 0.2759,
0.3173

■ 70.9946, 0.2907,
0.3224

 76.5376, 0.3060,
0.3271

 82.6260, 0.3215,
0.3313

 87.1342, 0.3294,
0.3353

 89.4889, 0.3289,
0.3392

Harmonies

Analogous

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



50.6927, 0.2456, 0.3376



50.6927, 0.2280, 0.2937



50.6927, 0.2309, 0.2643

Triad

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



50.6927, 0.2280, 0.2937



50.6927, 0.3407, 0.2827



50.6927, 0.3709, 0.4110

Complementary

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



50.6927, 0.2280, 0.2937



28.1499, 0.5001, 0.3563

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.



50.6927, 0.4004, 0.3880



50.6927, 0.2280, 0.2937



50.6927, 0.3833, 0.3155

Square

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



50.6927, 0.2280, 0.2937



50.6927, 0.2929, 0.2606



50.6927, 0.4056, 0.3530



50.6927, 0.3270, 0.4108

Rectangle

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



50.6927, 0.2280, 0.2937



50.6927, 0.2440, 0.2551



50.6927, 0.4056, 0.3530



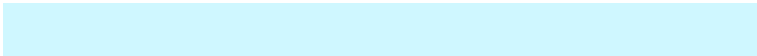
50.6927, 0.3829, 0.4054

Sweetspot

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



50.6946, 0.2280, 0.2937



86.6344, 0.2836, 0.3201



59.4292, 0.2933, 0.5066



18.1577, 0.2794, 0.3186



0.0000, 0.0000, 0.0000



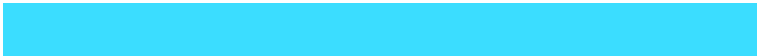
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6946, 0.2280, 0.2937



59.6078, 0.2181, 0.2854



23.8286, 0.2028, 0.1864



15.8833, 0.2981, 0.3248



24.1548, 0.2089, 0.2721



1.8984, 0.2115, 0.2813

Inverse Universe

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



27.2154, 0.3481, 0.2036



29.5479, 0.3571, 0.1892



50.3359, 0.4363, 0.4340



14.5695, 0.3165, 0.3098



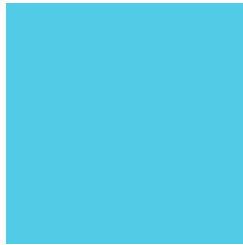
11.6362, 0.3708, 0.1816



0.8713, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 50.6927, 0.2280, 0.2937 looks on a white background.

Color Contrast Check

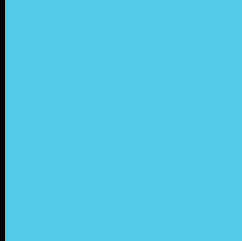
Large Text (above 18pt) WCAG AA × Fail

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 50.6927, 0.2280, 0.2937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

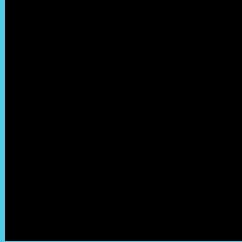
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6927, 0.2280, 0.2937

Background



This preview shows how black text looks on a background with the Yxy color 50.6927, 0.2280, 0.2937.



This preview shows how white text looks on a background with the Yxy color 50.6927, 0.2280, 0.2937.

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

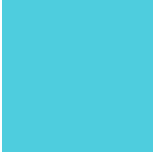
50.6927, 0.2280, 0.2937

Protanopia

50.0035, 0.2854, 0.2896

Deuteranopia

50.0452, 0.2746, 0.2692



Tritanopia

50.5563, 0.2305, 0.3053

Trichromacy



Original Color

50.6927, 0.2280, 0.2937

Protanomaly

49.4336, 0.2589, 0.2913

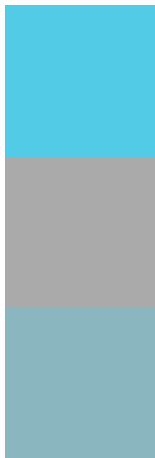
Deuteranomaly

49.1645, 0.2523, 0.2756

Tritanomaly

50.7612, 0.2295, 0.3014

Monochromacy



Original Color

50.6927, 0.2280, 0.2937

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.6649, 0.2709, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6927, 0.2280, 0.2937 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(82, 204, 230)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 230)  
}
```

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(82, 204, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 230) }
```

Border

The CSS property to change the border of an element to Yxy 50.6927, 0.2280, 0.2937 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(82, 204, 230) }
```

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

```
.border{ border-color:rgb(82, 204, 230) }
```

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

Here you see how a box with a 4 pixel rgb(82, 204, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 230);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6927, 0.2280, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 230) }
```

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

```
.background{ background-color: rgb(82, 204,  
230) }
```

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