

Converting Colors

$Y_{xy}(49.4450, 0.2258, 0.2923)$

Have a look what the booklet for
Yxy(49.4450, 0.2258, 0.2923)
contains.

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Color

Yxy(49.3941, 0.2255, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	4BCAE5
RGB	75, 202, 229
RGB Percent	29%, 79%, 90%
CMY	0.7064, 0.2078, 0.1019
CMYK	0.67, 0.12, 0.00, 0.10
HSL	191°, 75%, 60%
HSV	191°, 67%, 90%
XYZ	38.1582, 49.3941, 81.6636
YIQ	167.1050, -84.3590, -18.5270

Conversions

Conversions Part 2

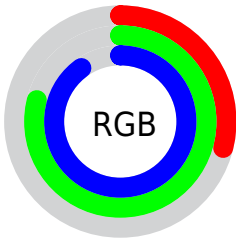
Format	Color
RYB	75, 145, 229
Decimal	4967141
CIELab	75.70, -26.39, -23.62
CIELCh	76, 35.413, 221.828
Yxy	49.3941, 0.2255, 0.2919
Android (android.graphics.Color)	4283157221 (0xFF4BCAE5)
YUV	167.1050, 30.5142, -80.7761
Hunter-Lab	70.2809, -26.0773, -19.6959

Details

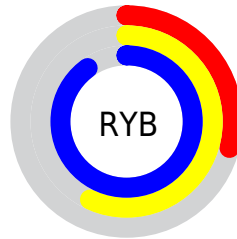
The Yxy color **49.3941, 0.2255, 0.2919** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **26.6428, 0.5129, 0.3566**, and the grayscale version is **38.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **24.1969, 0.2119, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **46.7763, 0.2183, 0.2855**, and if you desaturate by 10%, it is **52.3965, 0.2347, 0.2982**.

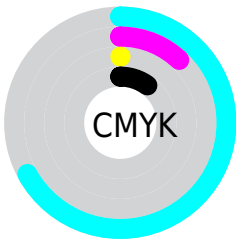
Distribution



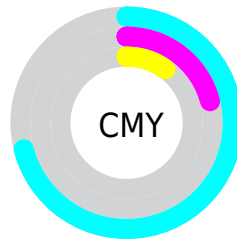
- Red (29%)
- Green (79%)
- Blue (90%)



- Red (29%)
- Yellow (57%)
- Blue (90%)



- Cyan (67%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)





- Cyan (71%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3941, 0.2255, 0.2919 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 49.3941, 0.2255, 0.2919 by changing the saturation by 10% instead.


 49.3941, 0.2255,
0.2919


 49.3941, 0.2255,
0.2919


384.2917, 0.2670,
0.3114

 34.9322, 0.2158,
0.2869


 89.2765, 0.2401,
0.2991

 23.6107, 0.2039,
0.2804


 115.4658, 0.2457,
0.3018

 15.0451, 0.1887,
0.2716


 146.3330, 0.2505,
0.3040

 8.8510, 0.1689,
0.2594

 182.2625, 0.2547,
0.3059

 4.6441, 0.1425,
0.2414

223.6388, 0.2584,
0.3076

 2.0400, 0.1063,
0.2129

270.8461, 0.2616,

 0.6306, 0.0000,

0.3090

0.1694

324.2690, 0.2645,
0.3103

0.0000, 0.0000,
0.0000

49.3941, 0.2255,
0.2919

49.3941, 0.2255,
0.2919

46.7763, 0.2183,
0.2855

52.3965, 0.2347,
0.2982

44.4996, 0.2130,
0.2792

55.8103, 0.2456,
0.3043

42.5156, 0.2095,
0.2729

59.6662, 0.2580,
0.3102

42.0108, 0.2087,
0.2712

63.9898, 0.2717,
0.3158

68.8050, 0.2863,
0.3210

■ 74.1336, 0.3014,
0.3258

■ 79.9963, 0.3169,
0.3301

■ 85.8248, 0.3302,
0.3341

■ 88.1364, 0.3298,
0.3380

Harmonies

Analogous

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



49.3941, 0.2432, 0.3370



49.3941, 0.2255, 0.2919



49.3941, 0.2288, 0.2621

Triad

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



49.3941, 0.2255, 0.2919



49.3941, 0.3423, 0.2819



49.3941, 0.3719, 0.4137

Complementary

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



49.3941, 0.2255, 0.2919



26.6428, 0.5129, 0.3566

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.



49.3941, 0.4027, 0.3901



49.3941, 0.2255, 0.2919



49.3941, 0.3860, 0.3156

Square

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



49.3941, 0.2255, 0.2919



49.3941, 0.2930, 0.2590



49.3941, 0.4086, 0.3541



49.3941, 0.3265, 0.4133

Rectangle

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



49.3941, 0.2255, 0.2919



49.3941, 0.2424, 0.2529



49.3941, 0.4086, 0.3541



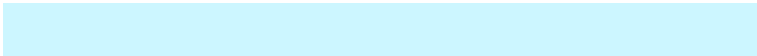
49.3941, 0.3844, 0.4079

Sweetspot

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



49.3959, 0.2255, 0.2919



86.0093, 0.2821, 0.3196



58.4694, 0.2930, 0.5154



18.0347, 0.2780, 0.3181



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.



49.3959, 0.2255, 0.2919



58.4280, 0.2158, 0.2829



22.1328, 0.1982, 0.1788



15.8842, 0.2981, 0.3248



24.1743, 0.2090, 0.2722



1.8997, 0.2115, 0.2814

Inverse Universe

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



25.9389, 0.3501, 0.1997



28.5158, 0.3598, 0.1863



48.8613, 0.4423, 0.4372



14.5696, 0.3165, 0.3098



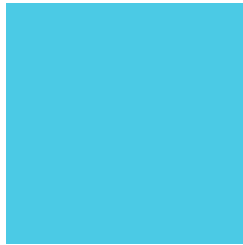
11.6381, 0.3707, 0.1816



0.8715, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 49.3941, 0.2255, 0.2919 looks on a white background.

Color Contrast Check

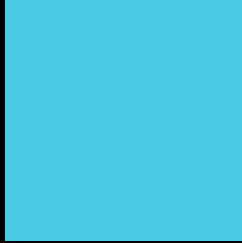
Large Text (above 18pt) WCAG AA × Fail

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 49.3941, 0.2255, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

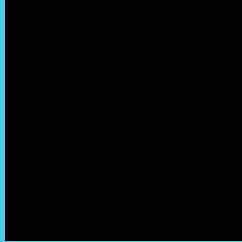
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3941, 0.2255, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 49.3941, 0.2255, 0.2919.



This preview shows how white text looks on a background with the Yxy color 49.3941, 0.2255, 0.2919.

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

49.3941, 0.2255, 0.2919

Protanopia

48.8226, 0.2851, 0.2892

Deuteranopia

48.8614, 0.2722, 0.2664



Tritanopia

49.6551, 0.2286, 0.3064

Trichromacy



Original Color

49.3941, 0.2255, 0.2919

Protanomaly

48.1448, 0.2566, 0.2896

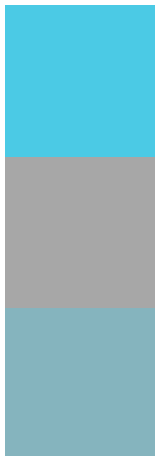
Deuteranomaly

47.7968, 0.2495, 0.2737

Tritanomaly

49.4173, 0.2275, 0.3011

Monochromacy



Original Color

49.3941, 0.2255, 0.2919

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.3468, 0.2684, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3941, 0.2255, 0.2919 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(75, 202, 229)` looks like.

```
.text, #text, p{  
    color:rgb(75, 202, 229)  
}
```

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(75, 202, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 202, 229) }
```

Border

The CSS property to change the border of an element to Yxy 49.3941, 0.2255, 0.2919 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(75, 202, 229) }
```

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

```
.border{ border-color:rgb(75, 202, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 202, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 202, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 202, 229);  
box-shadow:4px 4px 4px 4px rgb(75, 202,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3941, 0.2255, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 202, 229) }
```

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

```
.background{ background-color: rgb(75, 202,  
229) }
```

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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