

Converting Colors

$Yxy(50.1517, 0.2266, 0.2973)$

Have a look what the booklet for
Yxy(50.1517, 0.2266, 0.2973)
contains.

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Color

Yxy(50.1483, 0.2265, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	49CCE3
RGB	73, 204, 227
RGB Percent	29%, 80%, 89%
CMY	0.7135, 0.2000, 0.1099
CMYK	0.68, 0.10, 0.00, 0.11
HSL	189°, 73%, 59%
HSV	189°, 68%, 89%
XYZ	38.2058, 50.1483, 80.3250
YIQ	167.4530, -85.4590, -20.6190

Conversions

Conversions Part 2

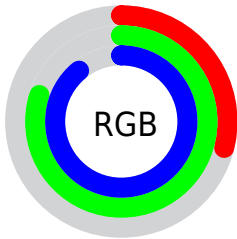
Format	Color
RYB	73, 144, 227
Decimal	4836579
CIELab	76.16, -28.24, -21.82
CIElCh	76, 35.683, 217.693
Yxy	50.1483, 0.2265, 0.2973
Android (android.graphics.Color)	4283026659 (0xFF49CCE3)
YUV	167.4530, 29.3567, -82.8353
Hunter-Lab	70.8155, -27.6241, -17.6810

Details

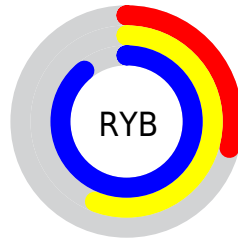
The Yxy color **50.1483, 0.2265, 0.2973** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.1809, 0.5186, 0.3524**, and the grayscale version is **38.7681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **24.4734, 0.2129, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **47.8254, 0.2197, 0.2920**, and if you desaturate by 10%, it is **52.8333, 0.2352, 0.3026**.

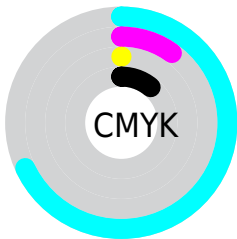
Distribution



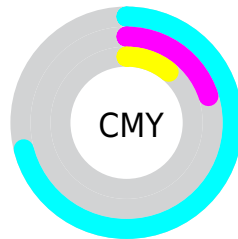
- Red (29%)
- Green (80%)
- Blue (89%)



- Red (29%)
- Yellow (56%)
- Blue (89%)



- Cyan (68%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (71%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1483, 0.2265, 0.2973 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 50.1483, 0.2265, 0.2973 by changing the saturation by 10% instead.

50.1483, 0.2265,
0.2973

50.1483, 0.2265,
0.2973

387.2456, 0.2675,
0.3141

35.5312, 0.2170,
0.2929

90.3946, 0.2409,
0.3036

24.0724, 0.2051,
0.2872

116.7926, 0.2464,
0.3059

15.3873, 0.1902,
0.2794

147.8863, 0.2512,
0.3078

9.0917, 0.1706,
0.2685

184.0603, 0.2553,
0.3095

4.8010, 0.1444,
0.2522

225.6988, 0.2589,
0.3109

2.1310, 0.1084,
0.2259

273.1862, 0.2621,

0.6820, 0.0000,

0.3121

0.1881

326.9070, 0.2650,
0.3132

■ 0.0000, 0.0000,
0.0000

■ 50.1483, 0.2265,
0.2973

■ 50.1483, 0.2265,
0.2973

■ 47.8254, 0.2197,
0.2920

■ 52.8333, 0.2352,
0.3026

■ 45.8218, 0.2149,
0.2866

■ 55.9068, 0.2457,
0.3078


■ 44.0878, 0.2118,
0.2814

■ 59.3985, 0.2578,
0.3128


■ 43.7277, 0.2112,
0.2802


■ 63.3337, 0.2712,
0.3175

■ 67.7357, 0.2856,
0.3220

 72.6259, 0.3007,
0.3261

 78.0242, 0.3161,
0.3298

 83.9496, 0.3317,
0.3332

 85.9351, 0.3315,
0.3365

Harmonies

Analogous

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



50.1483, 0.2471, 0.3438



50.1483, 0.2265, 0.2973



50.1483, 0.2269, 0.2649

Triad

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



50.1483, 0.2265, 0.2973



50.1483, 0.3355, 0.2778



50.1483, 0.3775, 0.4118

Complementary

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



50.1483, 0.2265, 0.2973



25.1809, 0.5186, 0.3524

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.



50.1483, 0.4054, 0.3857



50.1483, 0.2265, 0.2973



50.1483, 0.3811, 0.3105

Square

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



50.1483, 0.2265, 0.2973



50.1483, 0.2865, 0.2568



50.1483, 0.4074, 0.3488



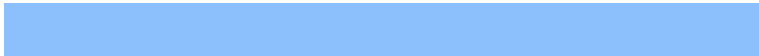
50.1483, 0.3332, 0.4153

Rectangle

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



50.1483, 0.2265, 0.2973



50.1483, 0.2387, 0.2539



50.1483, 0.4074, 0.3488



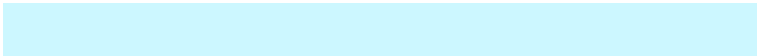
50.1483, 0.3892, 0.4050

Sweetspot

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



50.1501, 0.2265, 0.2973



86.8155, 0.2822, 0.3210



57.1473, 0.2951, 0.5234



18.2303, 0.2781, 0.3197



0.0000, 0.0000, 0.0000



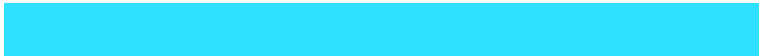
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1501, 0.2265, 0.2973



61.2593, 0.2177, 0.2900



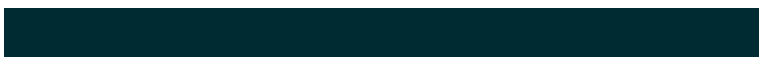
22.7938, 0.1993, 0.1852



15.9504, 0.2981, 0.3254



25.6430, 0.2114, 0.2810



1.9950, 0.2135, 0.2887

Inverse Universe

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



25.4593, 0.3456, 0.1957



28.8017, 0.3534, 0.1825



45.7621, 0.4477, 0.4327



14.5763, 0.3161, 0.3092



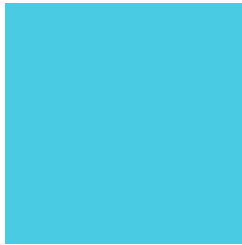
11.7864, 0.3625, 0.1771



0.8811, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 50.1483, 0.2265, 0.2973 looks on a white background.

Color Contrast Check

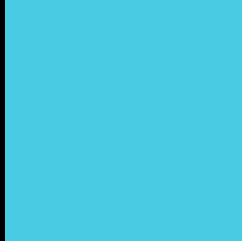
Large Text (above 18pt) WCAG AA × Fail

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 50.1483, 0.2265, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

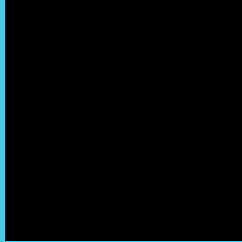
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1483, 0.2265, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 50.1483, 0.2265, 0.2973.



This preview shows how white text looks on a background with the Yxy color 50.1483, 0.2265, 0.2973.

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

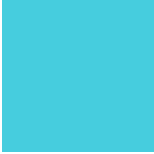
50.1483, 0.2265, 0.2973

Protanopia

49.3767, 0.2881, 0.2930

Deuteranopia

49.5169, 0.2758, 0.2701



Tritanopia

50.2387, 0.2281, 0.3052

Trichromacy



Original Color

50.1483, 0.2265, 0.2973



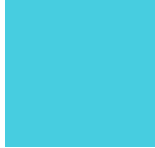
Protanomaly

48.5645, 0.2586, 0.2935



Deuteranomaly

48.7256, 0.2522, 0.2788



Tritanomaly

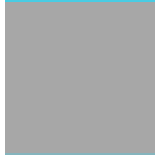
50.3841, 0.2275, 0.3026

Monochromacy



Original Color

50.1483, 0.2265, 0.2973



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.3032, 0.2691, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1483, 0.2265, 0.2973 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(73, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(73, 204, 227)  
}
```

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(73, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 204, 227) }
```

Border

The CSS property to change the border of an element to Yxy 50.1483, 0.2265, 0.2973 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(73, 204, 227) }
```

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

```
.border{ border-color:rgb(73, 204, 227) }
```

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

Here you see how a box with a 4 pixel rgb(73, 204, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(73, 204,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1483, 0.2265, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 204, 227) }
```

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

```
.background{ background-color: rgb(73, 204,  
227) }
```

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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