

Converting Colors

$Y_{xy}(49.0048, 0.2174, 0.2823)$

Have a look what the booklet for
Yxy(49.0048, 0.2174, 0.2823)
contains.

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Color

Yxy(49.0815, 0.2175, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	36CAEC
RGB	54, 202, 236
RGB Percent	21%, 79%, 93%
CMY	0.7886, 0.2078, 0.0746
CMYK	0.77, 0.14, 0.00, 0.07
HSL	191°, 83%, 57%
HSV	191°, 77%, 93%
XYZ	37.7750, 49.0815, 86.8218
YIQ	161.6240, -99.1220, -20.8020

Conversions

Conversions Part 2

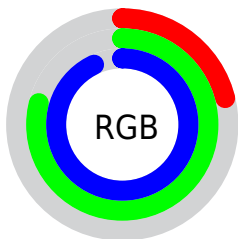
Format	Color
R _{YB}	54, 136, 236
Decimal	3590892
CIE _{Lab}	75.50, -26.79, -27.70
CIE _{LCh}	76, 38.536, 225.955
Yxy	49.0815, 0.2175, 0.2826
Android (android.graphics.Color)	4281780972 (0xFF36CAEC)
YUV	161.6240, 36.6674, -94.3862
Hunter-Lab	70.0582, -26.3555, -24.4363

Details

The Yxy color **49.0815, 0.2175, 0.2826** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.0524, 0.5528, 0.3576**, and the grayscale version is **35.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **24.4751, 0.2087, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **46.5457, 0.2120, 0.2758**, and if you desaturate by 10%, it is **51.9960, 0.2249, 0.2894**.

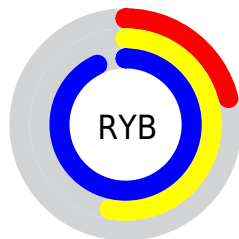
Distribution



Red (21%)

Green (79%)

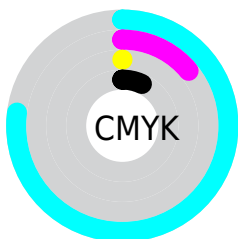
Blue (93%)



Red (21%)

Yellow (53%)

Blue (93%)

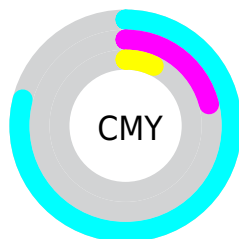


Cyan (77%)

Magenta (14%)

Yellow (0%)

Black (7%)



Cyan (79%)


Magenta (21%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0815, 0.2175, 0.2826 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 49.0815, 0.2175, 0.2826 by changing the saturation by 10% instead.


 49.0815, 0.2175,
0.2826


 49.0815, 0.2175,
0.2826


383.0631, 0.2626,
0.3067

 34.6841, 0.2071,
0.2765


 88.8125, 0.2332,
0.2915


 23.4197, 0.1943,
0.2686


 114.9149, 0.2393,
0.2948

 14.9037, 0.1782,
0.2581


 145.6878, 0.2446,
0.2976

 8.7518, 0.1574,
0.2436

 181.5155, 0.2491,
0.2999

 4.5797, 0.1301,
0.2227

222.7825, 0.2531,
0.3020

 2.0028, 0.0938,
0.1908

269.8732, 0.2566,

 0.6091, 0.0000,

0.3038

0.1414

323.1719, 0.2598,
0.3053

■ 0.0000, 0.0000,
0.0000

■ 49.0815, 0.2175,
0.2826

■ 49.0815, 0.2175,
0.2826

■ 46.5457, 0.2120,
0.2758

■ 51.9960, 0.2249,
0.2894

■ 44.3301, 0.2084,
0.2691

■ 55.3247, 0.2343,
0.2962

■ 43.7351, 0.2076,
0.2672

■ 59.1043, 0.2454,
0.3027

■ 63.3658, 0.2580,
0.3090

■ 68.1369, 0.2718,
0.3150

 73.4432, 0.2864,
0.3205

 79.3085, 0.3016,
0.3256

 85.7548, 0.3171,
0.3303

 90.5998, 0.3250,
0.3346

Harmonies

Analogous

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



49.0815, 0.2333, 0.3300



49.0815, 0.2175, 0.2826



49.0815, 0.2242, 0.2535

Triad

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



49.0815, 0.2175, 0.2826



49.0815, 0.3522, 0.2824



49.0815, 0.3706, 0.4231

Complementary

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



49.0815, 0.2175, 0.2826



25.0524, 0.5528, 0.3576

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.



49.0815, 0.4073, 0.3995



49.0815, 0.2175, 0.2826



49.0815, 0.3978, 0.3197

Square

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



49.0815, 0.2175, 0.2826



49.0815, 0.2981, 0.2559



49.0815, 0.4183, 0.3613



49.0815, 0.3201, 0.4189

Rectangle

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



49.0815, 0.2175, 0.2826



49.0815, 0.2407, 0.2457



49.0815, 0.4183, 0.3613



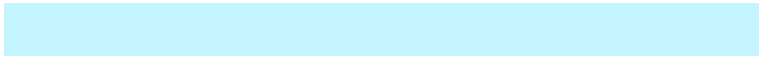
49.0815, 0.3850, 0.4177

Sweetspot

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



49.0833, 0.2175, 0.2826



83.7396, 0.2776, 0.3173



61.4525, 0.2919, 0.5396



17.4463, 0.2724, 0.3152



0.0000, 0.0000, 0.0000



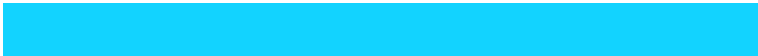
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0833, 0.2175, 0.2826



53.8166, 0.2096, 0.2716



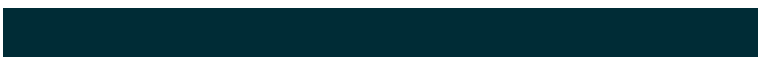
18.3280, 0.1830, 0.1497



16.6163, 0.2981, 0.3245



24.2915, 0.2079, 0.2683



2.0309, 0.2104, 0.2776

Inverse Universe

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



24.7233, 0.3596, 0.1909



26.3789, 0.3711, 0.1841



50.0632, 0.4585, 0.4480



15.2628, 0.3166, 0.3100



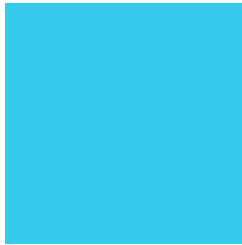
11.9450, 0.3745, 0.1837



0.9504, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 49.0815, 0.2175, 0.2826 looks on a white background.

Color Contrast Check

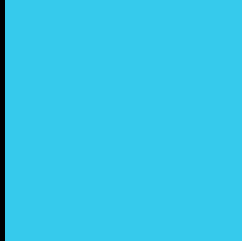
Large Text (above 18pt) WCAG AA × Fail

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 49.0815, 0.2175, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

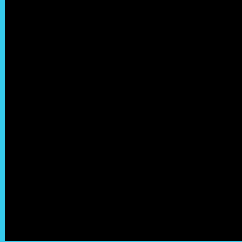
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0815, 0.2175, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 49.0815, 0.2175, 0.2826.

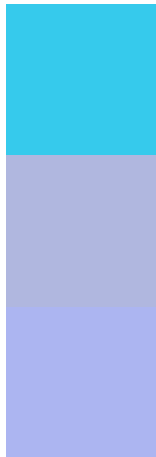


This preview shows how white text looks on a background with the Yxy color 49.0815, 0.2175, 0.2826.

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

49.0815, 0.2175, 0.2826

Protanopia

48.4248, 0.2780, 0.2796

Deuteranopia

48.1693, 0.2635, 0.2569



Tritanopia

49.3144, 0.2218, 0.3062

Trichromacy



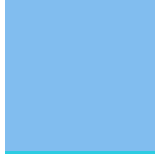
Original Color

49.0815, 0.2175, 0.2826



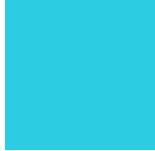
Protanomaly

47.3339, 0.2473, 0.2791



Deuteranomaly

47.2943, 0.2397, 0.2647



Tritanomaly

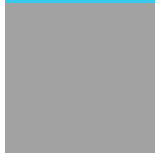
49.2122, 0.2202, 0.2981

Monochromacy



Original Color

49.0815, 0.2175, 0.2826



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.3294, 0.2617, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0815, 0.2175, 0.2826 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(54, 202, 236)` looks like.

```
.text, #text, p{  
    color:rgb(54, 202, 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(54, 202, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 202, 236) }
```

Border

The CSS property to change the border of an element to Yxy 49.0815, 0.2175, 0.2826 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(54, 202, 236) }
```

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

```
.border{ border-color:rgb(54, 202, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 202, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 202, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 202, 236);  
box-shadow:4px 4px 4px 4px rgb(54, 202,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0815, 0.2175, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 202, 236) }
```

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

```
.background{ background-color: rgb(54, 202,  
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](#).

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