

Converting Colors

$Yxy(49.3995, 0.2224, 0.2789)$

Have a look what the booklet for
Yxy(49.3995, 0.2224, 0.2789)
contains.

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Color

Yxy(49.5660, 0.2224, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	4EC9EE
RGB	78, 201, 238
RGB Percent	31%, 79%, 93%
CMY	0.6946, 0.2117, 0.0666
CMYK	0.67, 0.16, 0.00, 0.07
HSL	194°, 82%, 62%
HSV	194°, 67%, 93%
XYZ	39.4541, 49.5660, 88.3815
YIQ	168.4410, -85.1850, -14.5690

Conversions

Conversions Part 2

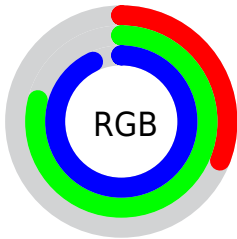
Format	Color
R _Y B	78, 148, 238
Decimal	5163502
CIE Lab	75.80, -22.72, -28.29
CIE LCh	76, 36.278, 231.231
Yxy	49.5660, 0.2224, 0.2794
Android (android.graphics.Color)	4283353582 (0xFF4EC9EE)
YUV	168.4410, 34.2926, -79.3168
Hunter-Lab	70.4031, -23.1736, -25.1483

Details

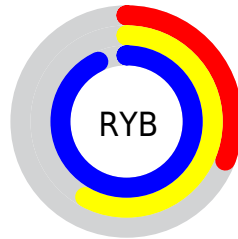
The Yxy color **49.5660, 0.2224, 0.2794** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.9600, 0.5052, 0.3659**, and the grayscale version is **39.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **24.2448, 0.2073, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **46.2213, 0.2144, 0.2708**, and if you desaturate by 10%, it is **53.3694, 0.2324, 0.2879**.

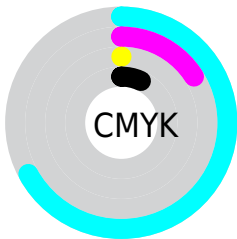
Distribution



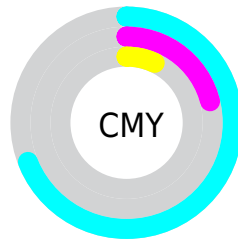
- Red (31%)
- Green (79%)
- Blue (93%)



- Red (31%)
- Yellow (58%)
- Blue (93%)



- Cyan (67%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (69%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5660, 0.2224, 0.2794 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 49.5660, 0.2224, 0.2794 by changing the saturation by 10% instead.

■ 49.5660, 0.2224,
0.2794

■ 49.5660, 0.2224,
0.2794

■ 384.9663, 0.2652,
0.3048

■ 35.0687, 0.2125,
0.2730

■ 89.5315, 0.2374,
0.2887

■ 23.7158, 0.2003,
0.2649

■ 115.7685, 0.2432,
0.2921

■ 15.1229, 0.1849,
0.2542

■ 146.6875, 0.2481,
0.2951

■ 8.9057, 0.1650,
0.2396

■ 182.6729, 0.2525,
0.2976

■ 4.6797, 0.1387,
0.2186

■ 224.1090, 0.2562,
0.2997

■ 2.0606, 0.1033,
0.1871

■ 271.3804, 0.2596,

■ 0.6423, 0.0122,

0.3016

0.1400

324.8714, 0.2625,
0.3033

0.0000, 0.0000,
0.0000

49.5660, 0.2224,
0.2794

49.5660, 0.2224,
0.2794

46.2213, 0.2144,
0.2708

53.3694, 0.2324,
0.2879

43.2876, 0.2083,
0.2622

57.6624, 0.2440,
0.2962

40.7116, 0.2041,
0.2537

62.4787, 0.2571,
0.3041


40.0488, 0.2032,
0.2513


67.8473, 0.2712,
0.3115

73.7946, 0.2861,
0.3184

 80.3454, 0.3015,
0.3248

 87.5227, 0.3169,
0.3305

 92.7403, 0.3235,
0.3358

 96.1171, 0.3230,
0.3411

Harmonies

Analogous

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



49.5660, 0.2338, 0.3215



49.5660, 0.2224, 0.2794



49.5660, 0.2324, 0.2551

Triad

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



49.5660, 0.2224, 0.2794



49.5660, 0.3584, 0.2907



49.5660, 0.3596, 0.4187

Complementary

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



49.5660, 0.2224, 0.2794



30.9600, 0.5052, 0.3659

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.



49.5660, 0.3972, 0.4008



49.5660, 0.2224, 0.2794



49.5660, 0.3979, 0.3273

Square

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



49.5660, 0.2224, 0.2794



49.5660, 0.3079, 0.2633



49.5660, 0.4121, 0.3667



49.5660, 0.3112, 0.4090

Rectangle

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



49.5660, 0.2224, 0.2794



49.5660, 0.2504, 0.2498



49.5660, 0.4121, 0.3667



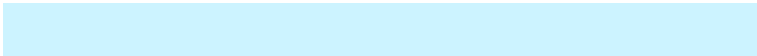
49.5660, 0.3740, 0.4153

Sweetspot

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



49.5678, 0.2224, 0.2794



84.2888, 0.2819, 0.3165



63.9509, 0.2898, 0.5054



17.6180, 0.2777, 0.3146



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.



49.5678, 0.2224, 0.2794



52.6211, 0.2117, 0.2673



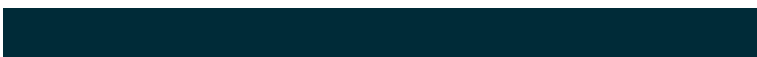
22.0165, 0.1953, 0.1674



17.2736, 0.2981, 0.3234



22.5476, 0.2035, 0.2527



2.0244, 0.2066, 0.2639

Inverse Universe

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



27.8282, 0.3609, 0.2070



27.9296, 0.3741, 0.1949



56.7071, 0.4362, 0.4447



15.9653, 0.3173, 0.3110



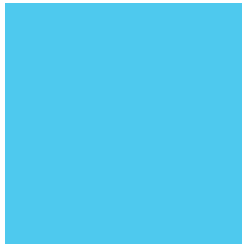
12.0695, 0.3896, 0.1920



1.0191, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 49.5660, 0.2224, 0.2794 looks on a white background.

Color Contrast Check

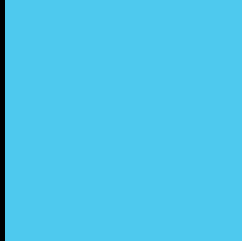
Large Text (above 18pt) WCAG AA × Fail

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 49.5660, 0.2224, 0.2794 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 49.5660, 0.2224, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 49.5660, 0.2224, 0.2794.

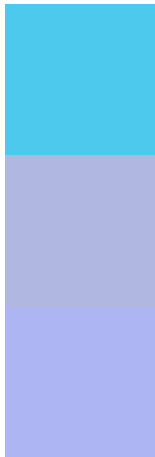


This preview shows how white text looks on a background with the Yxy color 49.5660, 0.2224, 0.2794.

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

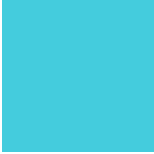
49.5660, 0.2224, 0.2794

Protanopia

49.0021, 0.2762, 0.2775

Deuteranopia

48.7509, 0.2638, 0.2572



Tritanopia

49.6351, 0.2276, 0.3051

Trichromacy



Original Color

49.5660, 0.2224, 0.2794

Protanomaly

48.1155, 0.2508, 0.2773

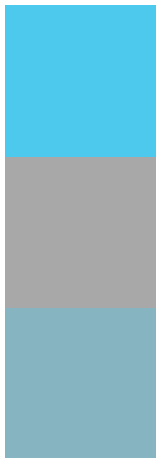
Deuteranomaly

48.1493, 0.2436, 0.2633

Tritanomaly

49.6356, 0.2258, 0.2958

Monochromacy



Original Color

49.5660, 0.2224, 0.2794

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.6437, 0.2678, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5660, 0.2224, 0.2794 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(78, 201, 238)` looks like.

```
.text, #text, p{  
    color:rgb(78, 201, 238)  
}
```

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(78, 201, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 201, 238) }
```

Border

The CSS property to change the border of an element to Yxy 49.5660, 0.2224, 0.2794 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(78, 201, 238) }
```

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

```
.border{ border-color:rgb(78, 201, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 201, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 201, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 201, 238);  
box-shadow:4px 4px 4px 4px rgb(78, 201,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5660, 0.2224, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 201, 238) }
```

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

```
.background{ background-color: rgb(78, 201,  
238) }
```

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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