

Converting Colors

$Y_{xy}(43.5509, 0.2200, 0.2767)$

Have a look what the booklet for
Yxy(43.5509, 0.2200, 0.2767)
contains.

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Color

Yxy(43.6019, 0.2200, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	44BEE3
RGB	68, 190, 227
RGB Percent	27%, 75%, 89%
CMY	0.7339, 0.2548, 0.1098
CMYK	0.70, 0.16, 0.00, 0.11
HSL	194°, 74%, 58%
HSV	194°, 70%, 89%
XYZ	34.6547, 43.6019, 79.2647
YIQ	157.7400, -84.5890, -14.3570

Conversions

Conversions Part 2

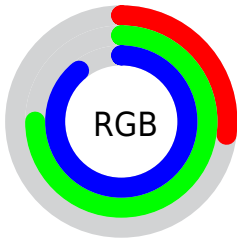
Format	Color
RYB	68, 137, 227
Decimal	4505315
CIELab	71.96, -21.95, -28.26
CIElCh	72, 35.779, 232.167
Yxy	43.6019, 0.2200, 0.2768
Android (android.graphics.Color)	4282695395 (0xFF44BEE3)
YUV	157.7400, 34.1452, -78.7020
Hunter-Lab	66.0317, -21.8754, -24.9497

Details

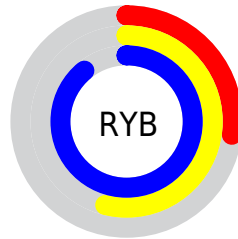
The Yxy color **43.6019, 0.2200, 0.2768** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **26.8182, 0.5157, 0.3663**, and the grayscale version is **33.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2824, 0.2482, 0.3185**, and **20.5869, 0.2057, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **40.6966, 0.2125, 0.2681**, and if you desaturate by 10%, it is **46.9086, 0.2295, 0.2854**.

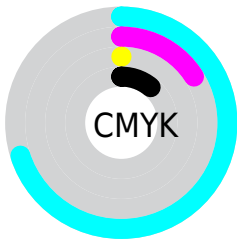
Distribution



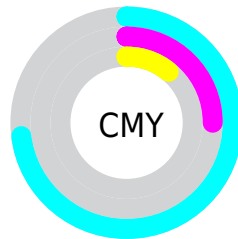
- Red (27%)
- Green (75%)
- Blue (89%)



- Red (27%)
- Yellow (54%)
- Blue (89%)



- Cyan (70%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)





- Cyan (73%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6019, 0.2200, 0.2768 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 43.6019, 0.2200, 0.2768 by changing the saturation by 10% instead.


 43.6019, 0.2200,
0.2768

 43.6019, 0.2200,
0.2768


361.0813, 0.2649,
0.3040

 30.3577, 0.2094,
0.2698


 80.6184, 0.2359,
0.2869


 20.1102, 0.1962,
0.2608


 105.1594, 0.2420,
0.2906

 12.4752, 0.1795,
0.2488

 134.2348, 0.2472,
0.2937

 7.0682, 0.1575,
0.2321

 168.2289, 0.2517,
0.2964

 3.5048, 0.1282,
0.2078

207.5263, 0.2556,
0.2987

 1.4006, 0.0881,
0.1706

252.5112, 0.2590,

 0.2172, 0.0000,

0.3007

0.0713

303.5680, 0.2621,
0.3025

0.0000, 0.0000,
0.0000

43.6019, 0.2200,
0.2768

43.6019, 0.2200,
0.2768

40.6966, 0.2125,
0.2681

46.9086, 0.2295,
0.2854

38.1483, 0.2069,
0.2595

50.6456, 0.2407,
0.2938

35.9132, 0.2031,
0.2511

54.8437, 0.2534,
0.3018

59.5296, 0.2672,
0.3094

64.7273, 0.2819,
0.3165

70.4593, 0.2971,
0.3230

76.7465, 0.3125,
0.3289

83.6085, 0.3279,
0.3343

87.6636, 0.3312,
0.3394

Harmonies

Analogous

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



43.6019, 0.2309, 0.3196



43.6019, 0.2200, 0.2768



43.6019, 0.2309, 0.2526

Triad

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



43.6019, 0.2200, 0.2768



43.6019, 0.3613, 0.2907



43.6019, 0.3594, 0.4215

Complementary

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



43.6019, 0.2200, 0.2768



26.8182, 0.5157, 0.3663

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.



43.6019, 0.3986, 0.4036



43.6019, 0.2200, 0.2768



43.6019, 0.4013, 0.3284

Square

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



43.6019, 0.2200, 0.2768



43.6019, 0.3093, 0.2623



43.6019, 0.4149, 0.3688



43.6019, 0.3094, 0.4107

Rectangle

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



43.6019, 0.2200, 0.2768



43.6019, 0.2497, 0.2477



43.6019, 0.4149, 0.3688



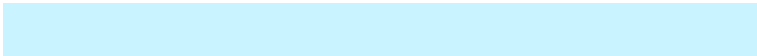
43.6019, 0.3743, 0.4183

Sweetspot

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



43.6035, 0.2200, 0.2768



83.5347, 0.2804, 0.3158



57.1301, 0.2896, 0.5130



17.4669, 0.2763, 0.3139



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.



43.6035, 0.2200, 0.2768



51.4538, 0.2098, 0.2643



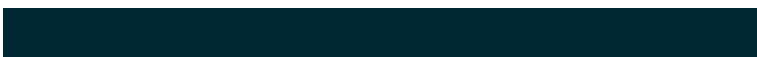
18.5682, 0.1912, 0.1603



15.7386, 0.2981, 0.3234



21.1298, 0.2034, 0.2524



1.6997, 0.2069, 0.2648

Inverse Universe

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



24.1665, 0.3637, 0.2042



27.2503, 0.3773, 0.1937



50.1668, 0.4409, 0.4474



14.5549, 0.3173, 0.3111



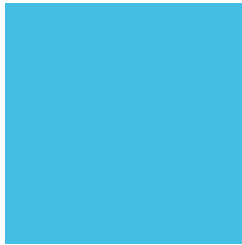
11.3308, 0.3899, 0.1921



0.8513, 0.3777, 0.1854

Previews

White Background



This preview shows how the Yxy color 43.6019, 0.2200, 0.2768 looks on a white background.

Color Contrast Check

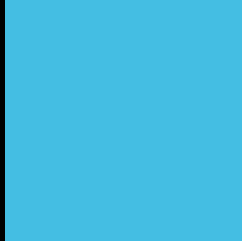
Large Text (above 18pt) WCAG AA × Fail

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 43.6019, 0.2200, 0.2768 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 43.6019, 0.2200, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 43.6019, 0.2200, 0.2768.



This preview shows how white text looks on a background with the Yxy color 43.6019, 0.2200, 0.2768.

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

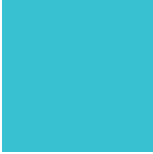
43.6019, 0.2200, 0.2768

Protanopia

42.7928, 0.2742, 0.2746

Deuteranopia

42.9560, 0.2614, 0.2548



Tritanopia

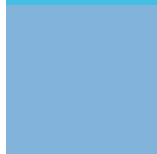
43.5841, 0.2255, 0.3051

Trichromacy



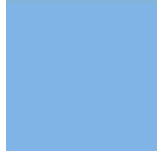
Original Color

43.6019, 0.2200, 0.2768



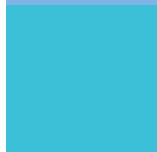
Protanomaly

42.1005, 0.2485, 0.2745



Deuteranomaly

42.5426, 0.2414, 0.2612



Tritanomaly

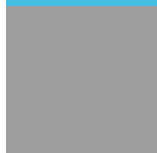
43.6178, 0.2232, 0.2940

Monochromacy



Original Color

43.6019, 0.2200, 0.2768



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.5283, 0.2657, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6019, 0.2200, 0.2768 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(68, 190, 227)` looks like.

```
.text, #text, p{  
    color:rgb(68, 190, 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(68, 190, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 190, 227) }
```

Border

The CSS property to change the border of an element to Yxy 43.6019, 0.2200, 0.2768 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(68, 190, 227) }
```

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

```
.border{ border-color:rgb(68, 190, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 190, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 190, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 190, 227);  
box-shadow:4px 4px 4px 4px rgb(68, 190,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6019, 0.2200, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 190, 227) }
```

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

```
.background{ background-color: rgb(68, 190,  
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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