

Converting Colors

$Yxy(44.2848, 0.2236, 0.2793)$

Have a look what the booklet for
Yxy(44.2848, 0.2236, 0.2793)
contains.

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Color

Yxy(44.3304, 0.2236, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	4DBFE2
RGB	77, 191, 226
RGB Percent	30%, 75%, 89%
CMY	0.6983, 0.2509, 0.1138
CMYK	0.66, 0.15, 0.00, 0.11
HSL	194°, 72%, 59%
HSV	194°, 66%, 89%
XYZ	35.4136, 44.3304, 78.6354
YIQ	160.9040, -79.1790, -13.2830

Conversions

Conversions Part 2

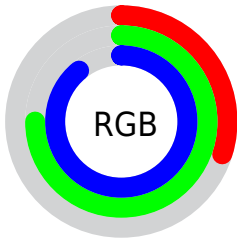
Format	Color
RYB	77, 142, 226
Decimal	5095394
CIELab	72.45, -21.46, -26.94
CIELCh	72, 34.441, 231.465
Yxy	44.3304, 0.2236, 0.2799
Android (android.graphics.Color)	4283285474 (0xFF4DBFE2)
YUV	160.9040, 32.0923, -73.5838
Hunter-Lab	66.5811, -21.5750, -23.4175

Details

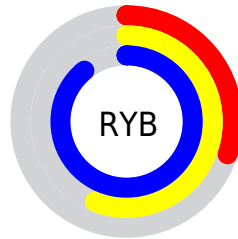
The Yxy color **44.3304, 0.2236, 0.2799** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **28.2730, 0.4985, 0.3663**, and the grayscale version is **35.4627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0175, 0.2510, 0.3209**, and **20.8316, 0.2068, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **41.2786, 0.2152, 0.2712**, and if you desaturate by 10%, it is **47.7954, 0.2339, 0.2885**.

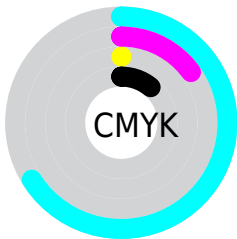
Distribution



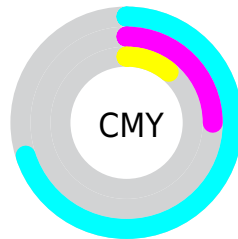
- Red (30%)
- Green (75%)
- Blue (89%)



- Red (30%)
- Yellow (56%)
- Blue (89%)



- Cyan (66%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (70%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3304, 0.2236, 0.2799 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 44.3304, 0.2236, 0.2799 by changing the saturation by 10% instead.

■ 44.3304, 0.2236,
0.2799

■ 44.3304, 0.2236,
0.2799

■ 364.0548, 0.2667,
0.3055

■ 30.9303, 0.2134,
0.2733

■ 81.7147, 0.2389,
0.2893

■ 20.5458, 0.2007,
0.2649

■ 106.4677, 0.2447,
0.2929

■ 12.7924, 0.1845,
0.2535

■ 135.7738, 0.2497,
0.2958

■ 7.2858, 0.1633,
0.2378

■ 170.0174, 0.2540,
0.2983

■ 3.6414, 0.1347,
0.2148

■ 209.5830, 0.2578,
0.3005

■ 1.4751, 0.0955,
0.1792

■ 254.8548, 0.2611,

■ 0.2711, 0.0000,

0.3023

0.0894

306.2173, 0.2641,
0.3040

0.0000, 0.0000,
0.0000

44.3304, 0.2236,
0.2799

44.3304, 0.2236,
0.2799

41.2786, 0.2152,
0.2712

47.7954, 0.2339,
0.2885

38.5990, 0.2088,
0.2624

51.7003, 0.2457,
0.2968


36.2481, 0.2044,
0.2538

56.0742, 0.2590,
0.3048

35.3601, 0.2029,
0.2503

60.9426, 0.2733,
0.3122

66.3285, 0.2882,
0.3192

 72.2535, 0.3035,
0.3255

 78.7378, 0.3189,
0.3313

 85.2786, 0.3323,
0.3364

 88.3345, 0.3317,
0.3416

Harmonies

Analogous

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



44.3304, 0.2347, 0.3213



44.3304, 0.2236, 0.2799



44.3304, 0.2337, 0.2560

Triad

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



44.3304, 0.2236, 0.2799



44.3304, 0.3581, 0.2915



44.3304, 0.3587, 0.4174

Complementary

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



44.3304, 0.2236, 0.2799



28.2730, 0.4985, 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.



44.3304, 0.3958, 0.4001



44.3304, 0.2236, 0.2799



44.3304, 0.3968, 0.3277

Square

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



44.3304, 0.2236, 0.2799



44.3304, 0.3084, 0.2644



44.3304, 0.4106, 0.3666



44.3304, 0.3109, 0.4075

Rectangle

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



44.3304, 0.2236, 0.2799



44.3304, 0.2515, 0.2509



44.3304, 0.4106, 0.3666



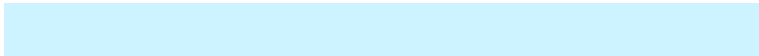
44.3304, 0.3729, 0.4142

Sweetspot

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



44.3320, 0.2236, 0.2799



84.1770, 0.2819, 0.3163



57.1274, 0.2888, 0.4976



17.5909, 0.2777, 0.3144



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.



44.3320, 0.2236, 0.2799



52.9680, 0.2127, 0.2680



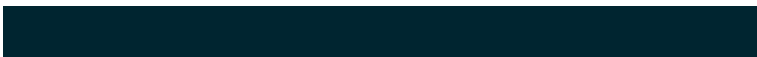
19.7152, 0.1969, 0.1680



14.9985, 0.2982, 0.3234



20.3648, 0.2032, 0.2517



1.5452, 0.2069, 0.2650

Inverse Universe

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



25.2286, 0.3602, 0.2093



28.3970, 0.3731, 0.1966



51.9234, 0.4314, 0.4453



13.8777, 0.3173, 0.3112



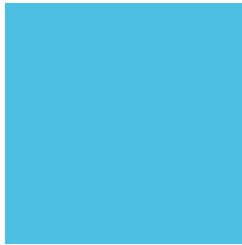
10.9639, 0.3906, 0.1925



0.7734, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 44.3304, 0.2236, 0.2799 looks on a white background.

Color Contrast Check

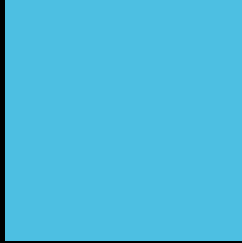
Large Text (above 18pt) WCAG AA × Fail

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 44.3304, 0.2236, 0.2799 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 44.3304, 0.2236, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 44.3304, 0.2236, 0.2799.

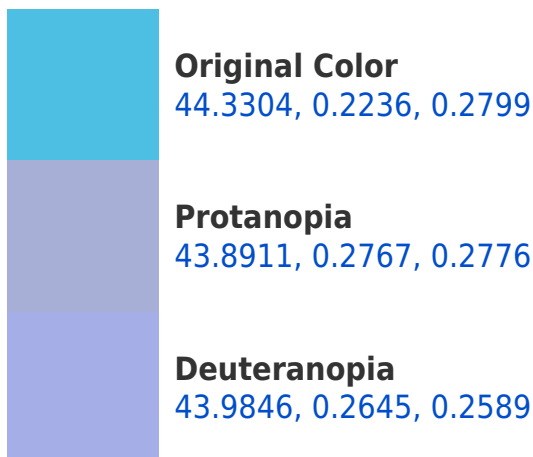


This preview shows how white text looks on a background with the Yxy color 44.3304, 0.2236, 0.2799.

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





Tritanopia

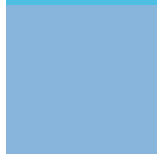
44.4657, 0.2288, 0.3055

Trichromacy



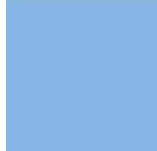
Original Color

44.3304, 0.2236, 0.2799



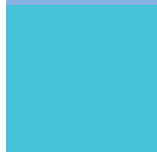
Protanomaly

43.3131, 0.2521, 0.2778



Deuteranomaly

43.2862, 0.2450, 0.2643



Tritanomaly

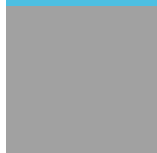
44.4374, 0.2267, 0.2958

Monochromacy



Original Color

44.3304, 0.2236, 0.2799



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.7537, 0.2683, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3304, 0.2236, 0.2799 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(77, 191, 226)` looks like.

```
.text, #text, p{  
    color:rgb(77, 191, 226)  
}
```

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(77, 191, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 191, 226) }
```

Border

The CSS property to change the border of an element to Yxy 44.3304, 0.2236, 0.2799 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(77, 191, 226) }
```

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

```
.border{ border-color:rgb(77, 191, 226) }
```

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

Here you see how a box with a 4 pixel rgb(77, 191, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 191, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 191, 226);  
box-shadow:4px 4px 4px 4px rgb(77, 191,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3304, 0.2236, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 191, 226) }
```

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

```
.background{ background-color: rgb(77, 191,  
226) }
```

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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