

Converting Colors

$Yxy(44.3441, 0.2171, 0.2765)$

Have a look what the booklet for
Yxy(44.3441, 0.2171, 0.2765)
contains.

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Color

Yxy(44.2560, 0.2173, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	3AC0E5
RGB	58, 192, 229
RGB Percent	23%, 75%, 90%
CMY	0.7731, 0.2470, 0.1020
CMYK	0.75, 0.16, 0.00, 0.10
HSL	193°, 77%, 56%
HSV	193°, 75%, 90%
XYZ	34.7303, 44.2560, 80.8403
YIQ	156.1520, -91.7410, -16.9010

Conversions

Conversions Part 2

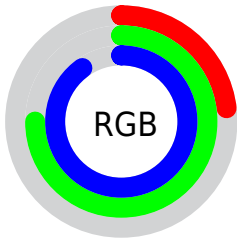
Format	Color
RYB	58, 133, 229
Decimal	3850469
CIELab	72.40, -23.57, -28.69
CIELCh	72, 37.130, 230.591
Yxy	44.2560, 0.2173, 0.2769
Android (android.graphics.Color)	4282040549 (0xFF3AC0E5)
YUV	156.1520, 35.9141, -86.0793
Hunter-Lab	66.5252, -23.2308, -25.4806

Details

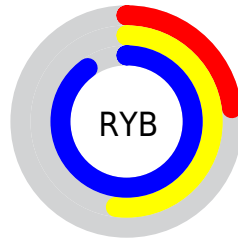
The Yxy color **44.2560, 0.2173, 0.2769** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.1169, 0.5373, 0.3633**, and the grayscale version is **33.1668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6385, 0.2465, 0.3219**, and **21.1941, 0.2064, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **41.5819, 0.2109, 0.2689**, and if you desaturate by 10%, it is **47.3110, 0.2256, 0.2849**.

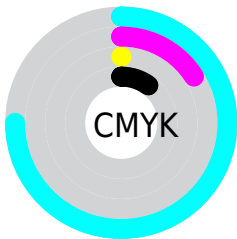
Distribution



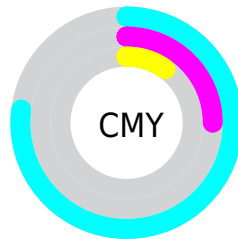
- Red (23%)
- Green (75%)
- Blue (90%)



- Red (23%)
- Yellow (52%)
- Blue (90%)



- Cyan (75%)
- Magenta (16%)
- Yellow (0%)
- Black (10%)



- Cyan (77%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2560, 0.2173, 0.2769 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 44.2560, 0.2173, 0.2769 by changing the saturation by 10% instead.

44.2560, 0.2173,
0.2769

44.2560, 0.2173,
0.2769

363.7519, 0.2633,
0.3041

30.8718, 0.2065,
0.2699

81.6028, 0.2335,
0.2870

20.5013, 0.1931,
0.2609

106.3343, 0.2397,
0.2907

12.7599, 0.1761,
0.2489

135.6169, 0.2451,
0.2938

7.2634, 0.1541,
0.2323

169.8351, 0.2497,
0.2965

3.6274, 0.1247,
0.2081

209.3733, 0.2537,
0.2988

1.4674, 0.0851,
0.1712

254.6160, 0.2573,

0.2656, 0.0000,

0.3008

0.0813

305.9473, 0.2604,
0.3025

■ 0.0000, 0.0000,
0.0000

■ 44.2560, 0.2173,
0.2769

■ 44.2560, 0.2173,
0.2769

■ 41.5819, 0.2109,
0.2689

■ 47.3110, 0.2256,
0.2849

■ 39.2392, 0.2065,
0.2610

■ 50.7788, 0.2358,
0.2927

■ 38.1032, 0.2047,
0.2568

■ 54.6927, 0.2477,
0.3003

■ 59.0807, 0.2609,
0.3076

■ 63.9685, 0.2751,
0.3144

■ 69.3795, 0.2901,
0.3207

■ 75.3357, 0.3054,
0.3265

■ 81.8575, 0.3208,
0.3317

■ 87.2273, 0.3300,
0.3365

Harmonies

Analogous

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



44.2560, 0.2296, 0.3219



44.2560, 0.2173, 0.2769



44.2560, 0.2274, 0.2510

Triad

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



44.2560, 0.2173, 0.2769



44.2560, 0.3601, 0.2877



44.2560, 0.3632, 0.4243

Complementary

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



44.2560, 0.2173, 0.2769



25.1169, 0.5373, 0.3633

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.



44.2560, 0.4028, 0.4042



44.2560, 0.2173, 0.2769



44.2560, 0.4026, 0.3260

Square

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



44.2560, 0.2173, 0.2769



44.2560, 0.3063, 0.2592



44.2560, 0.4183, 0.3676



44.2560, 0.3119, 0.4151

Rectangle

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



44.2560, 0.2173, 0.2769



44.2560, 0.2460, 0.2454



44.2560, 0.4183, 0.3676



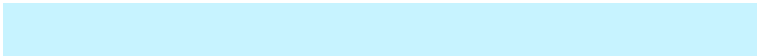
44.2560, 0.3784, 0.4203

Sweetspot

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



44.2576, 0.2173, 0.2769



83.3757, 0.2790, 0.3161



57.7082, 0.2907, 0.5294



17.4575, 0.2750, 0.3143



0.0000, 0.0000, 0.0000



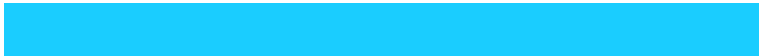
21.4041, 0.3127, 0.3290

Same Dimension

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



44.2576, 0.2173, 0.2769



51.2892, 0.2081, 0.2643



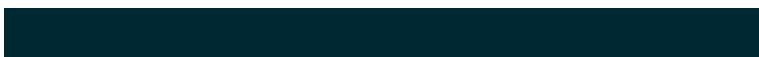
17.5310, 0.1854, 0.1521



15.7800, 0.2981, 0.3238



21.9688, 0.2050, 0.2581



1.7552, 0.2082, 0.2696

Inverse Universe

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



23.4754, 0.3644, 0.1974



26.4041, 0.3778, 0.1894



48.6658, 0.4514, 0.4490



14.5591, 0.3171, 0.3108



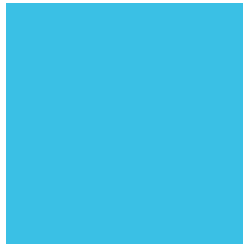
11.4155, 0.3843, 0.1891



0.8569, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 44.2560, 0.2173, 0.2769 looks on a white background.

Color Contrast Check

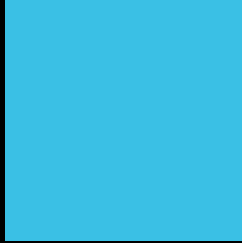
Large Text (above 18pt) WCAG AA × Fail

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 44.2560, 0.2173, 0.2769 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 44.2560, 0.2173, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 44.2560, 0.2173, 0.2769.

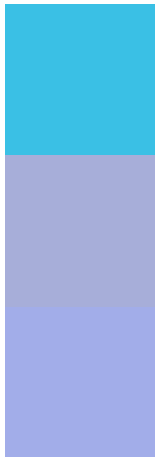


This preview shows how white text looks on a background with the Yxy color 44.2560, 0.2173, 0.2769.

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

44.2560, 0.2173, 0.2769

Protanopia

43.4973, 0.2745, 0.2738

Deuteranopia

43.4517, 0.2603, 0.2539



Tritanopia

44.2256, 0.2224, 0.3052

Trichromacy



Original Color

44.2560, 0.2173, 0.2769

Protanomaly

42.7802, 0.2461, 0.2747

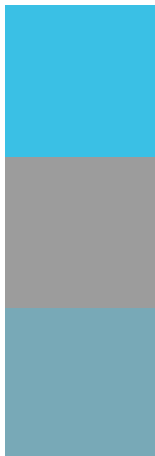
Deuteranomaly

42.7538, 0.2383, 0.2599

Tritanomaly

44.2739, 0.2203, 0.2940

Monochromacy



Original Color

44.2560, 0.2173, 0.2769

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.7879, 0.2619, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2560, 0.2173, 0.2769 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(58, 192, 229)` looks like.

```
.text, #text, p{  
    color:rgb(58, 192, 229)  
}
```

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(58, 192, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 192, 229) }
```

Border

The CSS property to change the border of an element to Yxy 44.2560, 0.2173, 0.2769 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(58, 192, 229) }
```

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

```
.border{ border-color:rgb(58, 192, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 192, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 192, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 192, 229);  
box-shadow:4px 4px 4px 4px rgb(58, 192,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2560, 0.2173, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 192, 229) }
```

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

```
.background{ background-color: rgb(58, 192,  
229) }
```

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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