

Converting Colors

$Y_{xy}(43.6590, 0.2348, 0.2846)$

Have a look what the booklet for
Yxy(43.6590, 0.2348, 0.2846)
contains.

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Color

Yxy(43.7902, 0.2349, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	64BCDB
RGB	100, 188, 219
RGB Percent	39%, 74%, 86%
CMY	0.6075, 0.2628, 0.1412
CMYK	0.54, 0.14, 0.00, 0.14
HSL	196°, 62%, 63%
HSV	196°, 54%, 86%
XYZ	36.0291, 43.7902, 73.5614
YIQ	165.2220, -62.3990, -9.0150

Conversions

Conversions Part 2

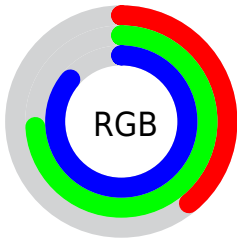
Format	Color
RYB	100, 151, 219
Decimal	6601947
CIELab	72.09, -17.83, -23.62
CIElCh	72, 29.591, 232.950
Yxy	43.7902, 0.2349, 0.2855
Android (android.graphics.Color)	4284792027 (0xFF64BCDB)
YUV	165.2220, 26.5126, -57.1997
Hunter-Lab	66.1742, -18.6188, -19.5868

Details

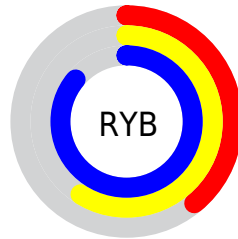
The Yxy color **43.7902, 0.2349, 0.2855** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **32.2302, 0.4500, 0.3659**, and the grayscale version is **37.6405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2923, 0.2583, 0.3165**, and **20.3316, 0.2146, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **40.3149, 0.2240, 0.2759**, and if you desaturate by 10%, it is **47.7008, 0.2474, 0.2947**.

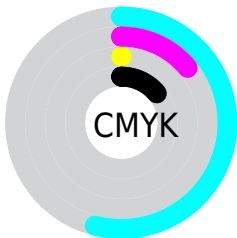
Distribution



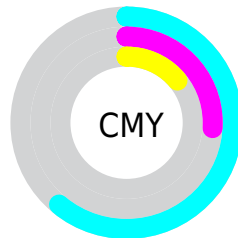
- Red (39%)
- Green (74%)
- Blue (86%)



- Red (39%)
- Yellow (59%)
- Blue (86%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)





- Cyan (61%)
- Magenta (26%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7902, 0.2349, 0.2855 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 43.7902, 0.2349, 0.2855 by changing the saturation by 10% instead.


 43.7902, 0.2349,
0.2855

 43.7902, 0.2349,
0.2855


361.8515, 0.2729,
0.3081


 30.5056, 0.2258,
0.2797


 80.9020, 0.2485,
0.2939


 20.2227, 0.2143,
0.2721


 105.4979, 0.2536,
0.2970

 12.5570, 0.1995,
0.2620


 134.6331, 0.2580,
0.2996

 7.1242, 0.1798,
0.2478

 168.6919, 0.2618,
0.3018

 3.5399, 0.1527,
0.2268

208.0588, 0.2651,
0.3037

 1.4197, 0.1139,
0.1933

253.1180, 0.2680,

 0.2312, 0.0000,

0.3054

0.0935

304.2541, 0.2706,
0.3068

0.0000, 0.0000,
0.0000

43.7902, 0.2349,
0.2855

43.7902, 0.2349,
0.2855

40.3149, 0.2240,
0.2759

47.7008, 0.2474,
0.2947

37.2414, 0.2149,
0.2662

52.0674, 0.2610,
0.3035

34.5382, 0.2078,
0.2563

56.9150, 0.2756,
0.3117

32.1655, 0.2026,
0.2466

62.2649, 0.2907,
0.3193

30.9238, 0.2003,
0.2411

68.1372, 0.3061,
0.3262

■ 74.5506, 0.3214,
0.3325

■ 81.5229, 0.3365,
0.3381

■ 85.0229, 0.3369,
0.3437

■ 88.3189, 0.3361,
0.3492

Harmonies

Analogous

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



43.7902, 0.2439, 0.3209



43.7902, 0.2349, 0.2855



43.7902, 0.2447, 0.2650

Triad

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



43.7902, 0.2349, 0.2855



43.7902, 0.3540, 0.2979



43.7902, 0.3511, 0.4052

Complementary

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



43.7902, 0.2349, 0.2855



32.2302, 0.4500, 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.



43.7902, 0.3836, 0.3922



43.7902, 0.2349, 0.2855



43.7902, 0.3863, 0.3301

Square

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



43.7902, 0.2349, 0.2855



43.7902, 0.3114, 0.2734



43.7902, 0.3971, 0.3641



43.7902, 0.3095, 0.3949

Rectangle

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



43.7902, 0.2349, 0.2855



43.7902, 0.2610, 0.2607



43.7902, 0.3971, 0.3641



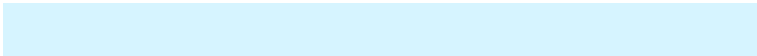
43.7902, 0.3635, 0.4032

Sweetspot

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



43.7918, 0.2349, 0.2855



86.4683, 0.2879, 0.3180



54.9763, 0.2898, 0.4604



18.1653, 0.2848, 0.3164



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.



43.7918, 0.2349, 0.2855



56.3438, 0.2228, 0.2747



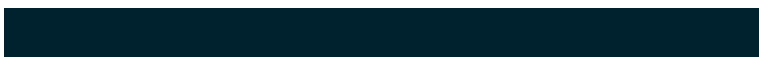
23.7404, 0.2168, 0.1979



14.2252, 0.2982, 0.3228



18.5251, 0.2007, 0.2426



1.3369, 0.2051, 0.2584

Inverse Universe

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



27.8175, 0.3531, 0.2292



33.1899, 0.3647, 0.2135



52.4863, 0.4085, 0.4308



13.2139, 0.3177, 0.3119



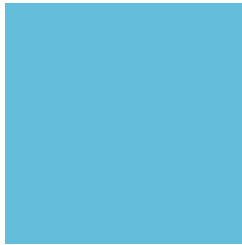
10.4939, 0.3997, 0.1975



0.6937, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 43.7902, 0.2349, 0.2855 looks on a white background.

Color Contrast Check

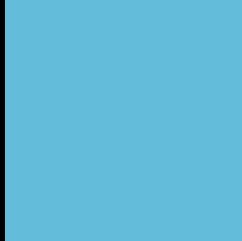
Large Text (above 18pt) WCAG AA × Fail

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 43.7902, 0.2349, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

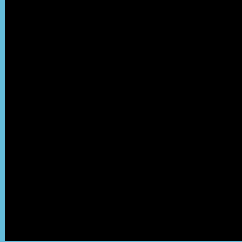
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7902, 0.2349, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 43.7902, 0.2349, 0.2855.

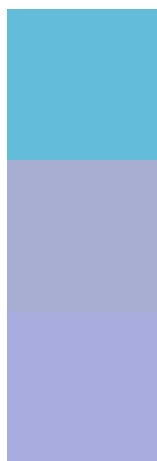


This preview shows how white text looks on a background with the Yxy color 43.7902, 0.2349, 0.2855.

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

43.7902, 0.2349, 0.2855

Protanopia

43.2004, 0.2808, 0.2835

Deuteranopia

43.2140, 0.2724, 0.2657



Tritanopia

43.7160, 0.2397, 0.3057

Trichromacy



Original Color

43.7902, 0.2349, 0.2855

Protanomaly

42.8839, 0.2605, 0.2831

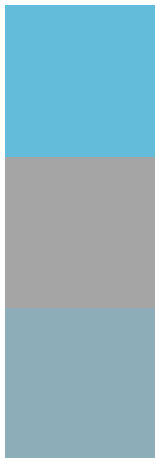
Deuteranomaly

42.9905, 0.2561, 0.2720

Tritanomaly

43.6397, 0.2377, 0.2974

Monochromacy



Original Color

43.7902, 0.2349, 0.2855

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0526, 0.2767, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7902, 0.2349, 0.2855 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(100, 188, 219)` looks like.

```
.text, #text, p{  
    color:rgb(100, 188, 219)  
}
```

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(100, 188, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 188, 219) }
```

Border

The CSS property to change the border of an element to Yxy 43.7902, 0.2349, 0.2855 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(100, 188, 219) }
```

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

```
.border{ border-color:rgb(100, 188, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 188, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 188, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 188, 219);  
box-shadow:4px 4px 4px 4px rgb(100, 188,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7902, 0.2349, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 188, 219) }
```

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

```
.background{ background-color: rgb(100,  
188, 219) }
```

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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