

Converting Colors

$Y_{xy}(44.7318, 0.2371, 0.2946)$

Have a look what the booklet for
Yxy(44.7318, 0.2371, 0.2946)
contains.

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Color

Yxy(44.8205, 0.2373, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	63BFD7
RGB	99, 191, 215
RGB Percent	39%, 75%, 84%
CMY	0.6116, 0.2510, 0.1570
CMYK	0.54, 0.11, 0.00, 0.16
HSL	192°, 59%, 62%
HSV	192°, 54%, 84%
XYZ	36.0417, 44.8205, 71.0202
YIQ	166.2280, -62.5360, -12.0400

Conversions

Conversions Part 2

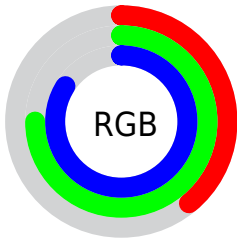
Format	Color
RYB	99, 150, 215
Decimal	6537175
CIELab	72.77, -20.74, -20.39
CIELCh	73, 29.086, 224.511
Yxy	44.8205, 0.2373, 0.2951
Android (android.graphics.Color)	4284727255 (0xFF63BFD7)
YUV	166.2280, 24.0446, -58.9590
Hunter-Lab	66.9481, -21.0632, -16.0326

Details

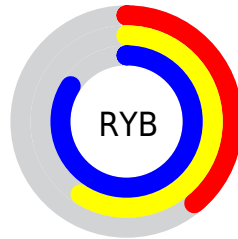
The Yxy color **44.8205, 0.2373, 0.2951** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.5120, 0.4533, 0.3581**, and the grayscale version is **38.1581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6239, 0.2585, 0.3210**, and **20.7207, 0.2172, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **41.8585, 0.2271, 0.2877**, and if you desaturate by 10%, it is **48.1669, 0.2491, 0.3023**.

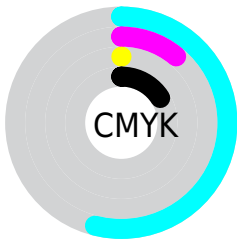
Distribution



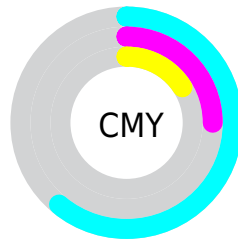
- Red (39%)
- Green (75%)
- Blue (84%)



- Red (39%)
- Yellow (59%)
- Blue (84%)



- Cyan (54%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (61%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8205, 0.2373, 0.2951 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 44.8205, 0.2373, 0.2951 by changing the saturation by 10% instead.

■ 44.8205, 0.2373,
0.2951

■ 44.8205, 0.2373,
0.2951

■ 366.0461, 0.2741,
0.3130

■ 31.3161, 0.2285,
0.2904

■ 82.4510, 0.2504,
0.3018

■ 20.8396, 0.2174,
0.2843

■ 107.3458, 0.2554,
0.3042

■ 13.0068, 0.2030,
0.2760

■ 136.8063, 0.2597,
0.3063

■ 7.4333, 0.1839,
0.2642

■ 171.2167, 0.2633,
0.3080

■ 3.7345, 0.1574,
0.2464

■ 210.9615, 0.2666,
0.3095

■ 1.5262, 0.1191,
0.2170

■ 256.4250, 0.2694,

■ 0.3070, 0.0000,

0.3108

0.1332

307.9918, 0.2719,
0.3120

0.0000, 0.0000,
0.0000

44.8205, 0.2373,
0.2951

44.8205, 0.2373,
0.2951

41.8585, 0.2271,
0.2877

48.1669, 0.2491,
0.3023

39.2492, 0.2187,
0.2801

51.9165, 0.2623,
0.3091

36.9635, 0.2123,
0.2725

56.0927, 0.2765,
0.3156

34.9641, 0.2078,
0.2650

60.7153, 0.2914,
0.3215

33.8519, 0.2057,
0.2604

65.8030, 0.3067,
0.3270

71.3732, 0.3221,
0.3319

77.4423, 0.3373,
0.3364

80.8607, 0.3407,
0.3407

83.3171, 0.3400,
0.3451

Harmonies

Analogous

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



44.8205, 0.2513, 0.3325



44.8205, 0.2373, 0.2951



44.8205, 0.2418, 0.2705

Triad

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



44.8205, 0.2373, 0.2951



44.8205, 0.3418, 0.2909



44.8205, 0.3605, 0.4018

Complementary

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



44.8205, 0.2373, 0.2951



29.5120, 0.4533, 0.3581

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.



44.8205, 0.3878, 0.3842



44.8205, 0.2373, 0.2951



44.8205, 0.3774, 0.3209

Square

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



44.8205, 0.2373, 0.2951



44.8205, 0.2998, 0.2699



44.8205, 0.3945, 0.3543



44.8205, 0.3213, 0.3984

Rectangle

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



44.8205, 0.2373, 0.2951



44.8205, 0.2546, 0.2632



44.8205, 0.3945, 0.3543



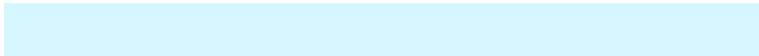
44.8205, 0.3714, 0.3979

Sweetspot

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



44.8222, 0.2373, 0.2951



87.8020, 0.2880, 0.3203



52.6510, 0.2930, 0.4679



18.4854, 0.2849, 0.3190



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.



44.8222, 0.2373, 0.2951



60.9280, 0.2255, 0.2864



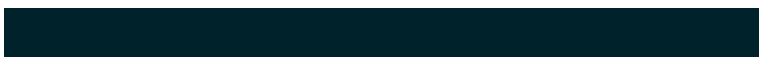
24.5600, 0.2194, 0.2079



13.6515, 0.2983, 0.3241



20.4102, 0.2060, 0.2616



1.3433, 0.2096, 0.2745

Inverse Universe

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



27.1355, 0.3452, 0.2236



33.6526, 0.3545, 0.2062



48.0637, 0.4115, 0.4241



12.5867, 0.3169, 0.3107



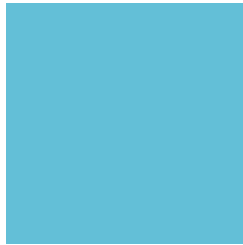
10.4053, 0.3809, 0.1872



0.6389, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 44.8205, 0.2373, 0.2951 looks on a white background.

Color Contrast Check

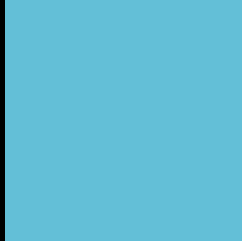
Large Text (above 18pt) WCAG AA × Fail

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 44.8205, 0.2373, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

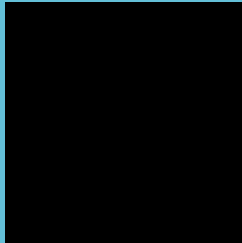
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8205, 0.2373, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 44.8205, 0.2373, 0.2951.

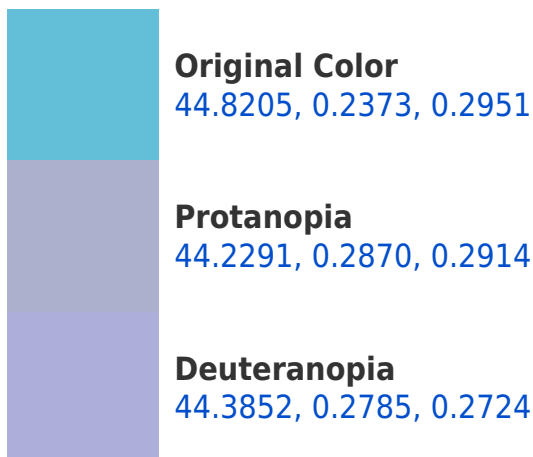


This preview shows how white text looks on a background with the Yxy color 44.8205, 0.2373, 0.2951.

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

44.7401, 0.2397, 0.3059

Trichromacy



Original Color

44.8205, 0.2373, 0.2951

Protanomaly

43.6709, 0.2647, 0.2911

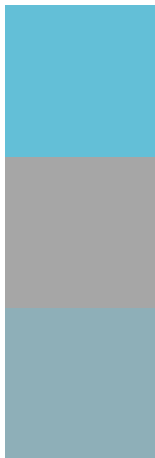
Deuteranomaly

43.9075, 0.2603, 0.2787

Tritanomaly

44.9438, 0.2386, 0.3018

Monochromacy



Original Color

44.8205, 0.2373, 0.2951

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.8714, 0.2784, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8205, 0.2373, 0.2951 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(99, 191, 215)` looks like.

```
.text, #text, p{  
    color:rgb(99, 191, 215)  
}
```

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(99, 191, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 191, 215) }
```

Border

The CSS property to change the border of an element to Yxy 44.8205, 0.2373, 0.2951 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(99, 191, 215) }
```

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

```
.border{ border-color:rgb(99, 191, 215) }
```

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

Here you see how a box with a 4 pixel rgb(99, 191, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(99, 191,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8205, 0.2373, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 191, 215) }
```

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

```
.background{ background-color: rgb(99, 191,  
215) }
```

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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