

Converting Colors

$Y_{xy}(44.8372, 0.2540, 0.3013)$

Have a look what the booklet for
Yxy(44.8372, 0.2540, 0.3013)
contains.

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Color

Yxy(44.8805, 0.2538, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	7DBC00
RGB	125, 188, 208
RGB Percent	49%, 74%, 82%
CMY	0.5096, 0.2628, 0.1843
CMYK	0.40, 0.10, 0.00, 0.18
HSL	194°, 47%, 65%
HSV	194°, 40%, 82%
XYZ	37.8302, 44.8805, 66.3444
YIQ	171.4430, -43.9680, -7.1360

Conversions

Conversions Part 2

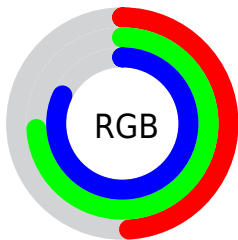
Format	Color
RYB	125, 161, 208
Decimal	8240336
CIELab	72.81, -15.02, -16.43
CIELCh	73, 22.262, 227.561
Yxy	44.8805, 0.2538, 0.3011
Android (android.graphics.Color)	4286430416 (0xFF7DBCD0)
YUV	171.4430, 18.0226, -40.7305
Hunter-Lab	66.9929, -16.4405, -11.8211

Details

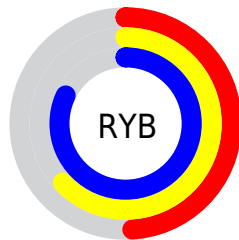
The Yxy color **44.8805, 0.2538, 0.3011** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.1578, 0.4021, 0.3547**, and the grayscale version is **40.8884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7451, 0.2693, 0.3169**, and **20.9631, 0.2374, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **41.3706, 0.2410, 0.2928**, and if you desaturate by 10%, it is **48.7962, 0.2677, 0.3089**.

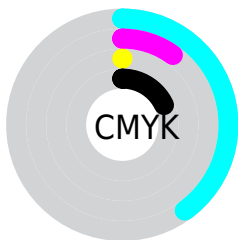
Distribution



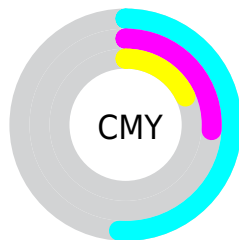
- Red (49%)
- Green (74%)
- Blue (82%)



- Red (49%)
- Yellow (63%)
- Blue (82%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (51%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8805, 0.2538, 0.3011 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 44.8805, 0.2538, 0.3011 by changing the saturation by 10% instead.

■ 44.8805, 0.2538,
0.3011

■ 44.8805, 0.2538,
0.3011

■ 366.2894, 0.2828,
0.3156

■ 31.3633, 0.2467,
0.2973

■ 82.5411, 0.2642,
0.3065

■ 20.8757, 0.2378,
0.2924

■ 107.4532, 0.2682,
0.3085

■ 13.0331, 0.2261,
0.2857

■ 136.9325, 0.2715,
0.3102

■ 7.4514, 0.2102,
0.2762

■ 171.3633, 0.2744,
0.3116

■ 3.7460, 0.1876,
0.2617

■ 211.1300, 0.2769,
0.3128

■ 1.5325, 0.1533,
0.2375

■ 256.6169, 0.2791,

■ 0.3114, 0.0000,

0.3139

0.1640

308.2086, 0.2811,
0.3148

0.0000, 0.0000,
0.0000

44.8805, 0.2538,
0.3011

44.8805, 0.2538,
0.3011

41.3706, 0.2410,
0.2928

48.7962, 0.2677,
0.3089

38.2399, 0.2297,
0.2842

53.1321, 0.2824,
0.3162

35.4664, 0.2200,
0.2753

57.9080, 0.2976,
0.3230

33.0232, 0.2123,
0.2663

63.1408, 0.3129,
0.3291

30.8786, 0.2065,
0.2573

68.8466, 0.3281,
0.3346

■ 28.9753, 0.2024,
0.2485

■ 75.0405, 0.3431,
0.3395

■ 28.9539, 0.2023,
0.2484

■ 78.6479, 0.3461,
0.3444

■ 81.3700, 0.3452,
0.3494

■ 84.1721, 0.3443,
0.3543

Harmonies

Analogous

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



44.8805, 0.2635, 0.3290



44.8805, 0.2538, 0.3011



44.8805, 0.2588, 0.2827

Triad

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



44.8805, 0.2538, 0.3011



44.8805, 0.3383, 0.3016



44.8805, 0.3470, 0.3850

Complementary

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



44.8805, 0.2538, 0.3011



35.1578, 0.4021, 0.3547

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.



44.8805, 0.3689, 0.3739



44.8805, 0.2538, 0.3011



44.8805, 0.3641, 0.3258

Square

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



44.8805, 0.2538, 0.3011



44.8805, 0.3063, 0.2841



44.8805, 0.3754, 0.3519



44.8805, 0.3166, 0.3799

Rectangle

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



44.8805, 0.2538, 0.3011



44.8805, 0.2699, 0.2775



44.8805, 0.3754, 0.3519



44.8805, 0.3557, 0.3829

Sweetspot

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



44.8822, 0.2538, 0.3011



90.0330, 0.2941, 0.3215



51.5021, 0.2954, 0.4216



19.0524, 0.2921, 0.3206



0.0000, 0.0000, 0.0000



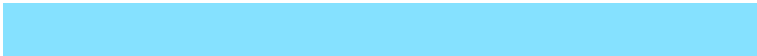
21.4041, 0.3127, 0.3290

Same Dimension

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



44.8822, 0.2538, 0.3011



66.2857, 0.2426, 0.2939



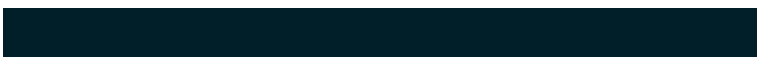
29.8362, 0.2445, 0.2406



12.9038, 0.2983, 0.3233



18.2020, 0.2027, 0.2497



1.1366, 0.2072, 0.2659

Inverse Universe

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



31.7189, 0.3378, 0.2525



43.3883, 0.3451, 0.2368



49.9593, 0.3817, 0.4036



11.9583, 0.3174, 0.3115



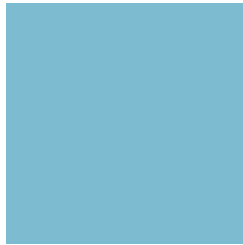
9.9088, 0.3926, 0.1936



0.5660, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 44.8805, 0.2538, 0.3011 looks on a white background.

Color Contrast Check

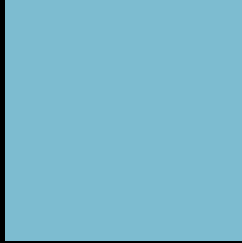
Large Text (above 18pt) WCAG AA × Fail

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 44.8805, 0.2538, 0.3011 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

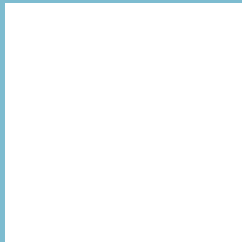
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8805, 0.2538, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 44.8805, 0.2538, 0.3011.



This preview shows how white text looks on a background with the Yxy color 44.8805, 0.2538, 0.3011.

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

44.8805, 0.2538, 0.3011

Protanopia

44.6600, 0.2916, 0.2978

Deuteranopia

44.5590, 0.2881, 0.2822



Tritanopia

45.0399, 0.2557, 0.3079

Trichromacy



Original Color

44.8805, 0.2538, 0.3011

Protanomaly

44.4753, 0.2758, 0.2982

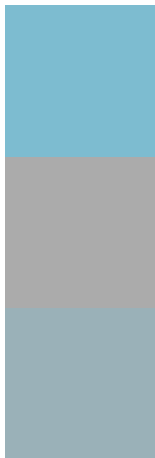
Deuteranomaly

44.2643, 0.2737, 0.2881

Tritanomaly

45.0881, 0.2551, 0.3065

Monochromacy



Original Color

44.8805, 0.2538, 0.3011

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.7750, 0.2880, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8805, 0.2538, 0.3011 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(125, 188, 208)` looks like.

```
.text, #text, p{  
    color:rgb(125, 188, 208)  
}
```

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(125, 188, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 188, 208) }
```

Border

The CSS property to change the border of an element to Yxy 44.8805, 0.2538, 0.3011 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(125, 188, 208) }
```

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

```
.border{ border-color:rgb(125, 188, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 188, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 188, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 188, 208);  
box-shadow:4px 4px 4px 4px rgb(125, 188,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8805, 0.2538, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 188, 208) }
```

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

```
.background{ background-color: rgb(125,  
188, 208) }
```

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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