

Converting Colors

$Y_{xy}(44.5276, 0.2740, 0.2994)$

Have a look what the booklet for
Yxy(44.5276, 0.2740, 0.2994)
contains.

Yxy(44.5878, 0.2737, 0.2994)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.5878, 0.2737, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	99B6CC
RGB	153, 182, 204
RGB Percent	60%, 71%, 80%
CMY	0.4000, 0.2862, 0.2001
CMYK	0.25, 0.11, 0.00, 0.20
HSL	206°, 33%, 70%
HSV	206°, 25%, 80%
XYZ	40.7605, 44.5878, 63.5756
YIQ	175.8370, -24.3460, 0.6940

Conversions

Conversions Part 2

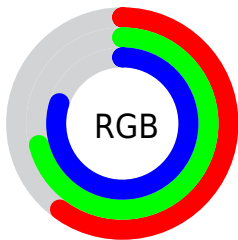
Format	Color
R _Y B	153, 171, 204
Decimal	10073804
CIE Lab	72.62, -4.93, -14.37
CIE LCh	73, 15.192, 251.075
Yxy	44.5878, 0.2737, 0.2994
Android (android.graphics.Color)	4288263884 (0xFF99B6CC)
YUV	175.8370, 13.8844, -20.0280
Hunter-Lab	66.7741, -7.8941, -9.7081

Details

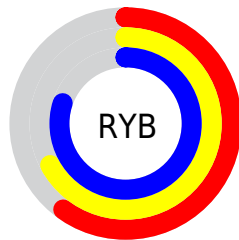
The Yxy color **44.5878, 0.2737, 0.2994** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7817, 0.3583, 0.3568**, and the grayscale version is **43.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7790, 0.2839, 0.3111**, and **20.6692, 0.2628, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **39.2830, 0.2579, 0.2855**, and if you desaturate by 10%, it is **50.4616, 0.2895, 0.3122**.

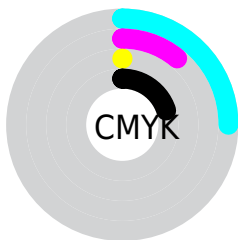
Distribution



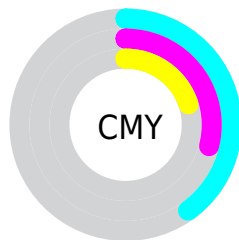
- Red (60%)
- Green (71%)
- Blue (80%)



- Red (60%)
- Yellow (67%)
- Blue (80%)



- Cyan (25%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5878, 0.2737, 0.2994 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 44.5878, 0.2737, 0.2994 by changing the saturation by 10% instead.

■ 44.5878, 0.2737,
0.2994

■ 44.5878, 0.2737,
0.2994

■ 365.1016, 0.2931,
0.3144

■ 31.1329, 0.2689,
0.2956

■ 82.1015, 0.2807,
0.3049

■ 20.7001, 0.2628,
0.2907

■ 106.9291, 0.2834,
0.3069

■ 12.9049, 0.2546,
0.2842

■ 136.3163, 0.2856,
0.3087

■ 7.3631, 0.2434,
0.2751

■ 170.6477, 0.2875,
0.3101

■ 3.6902, 0.2270,
0.2614

■ 210.3075, 0.2892,
0.3114

■ 1.5018, 0.2010,
0.2389

■ 255.6801, 0.2907,

■ 0.2900, 0.0858,

0.3125

0.1601

307.1500, 0.2920,
0.3135

0.0000, 0.0000,
0.0000

44.5878, 0.2737,
0.2994

44.5878, 0.2737,
0.2994

39.2830, 0.2579,
0.2855

50.4616, 0.2895,
0.3122

34.5203, 0.2426,
0.2705

56.9190, 0.3051,
0.3237

30.2786, 0.2280,
0.2546

63.9807, 0.3202,
0.3340

26.5329, 0.2148,
0.2381

71.6646, 0.3346,
0.3432

23.2553, 0.2032,
0.2213

79.9879, 0.3484,
0.3513

■ 20.4142, 0.1938,
0.2046

■ 84.8947, 0.3467,
0.3599

■ 17.9718, 0.1865,
0.1883

■ 90.0466, 0.3451,
0.3684

■ 16.8679, 0.1835,
0.1804

■ 95.4506, 0.3435,
0.3766

■ 97.1390, 0.3430,
0.3790

Harmonies

Analogous

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



44.5878, 0.2725, 0.3141



44.5878, 0.2737, 0.2994



44.5878, 0.2850, 0.2931

Triad

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



44.5878, 0.2737, 0.2994



44.5878, 0.3446, 0.3232



44.5878, 0.3204, 0.3650

Complementary

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



44.5878, 0.2737, 0.2994



45.7817, 0.3583, 0.3568

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.



44.5878, 0.3404, 0.3664



44.5878, 0.2737, 0.2994



44.5878, 0.3547, 0.3416

Square

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



44.5878, 0.2737, 0.2994



44.5878, 0.3258, 0.3068



44.5878, 0.3531, 0.3575



44.5878, 0.2989, 0.3529

Rectangle

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



44.5878, 0.2737, 0.2994



44.5878, 0.2970, 0.2940



44.5878, 0.3531, 0.3575



44.5878, 0.3275, 0.3667

Sweetspot

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



44.5896, 0.2737, 0.2994



90.8527, 0.3003, 0.3202



53.0158, 0.2952, 0.3693



19.0937, 0.2979, 0.3185



0.0000, 0.0000, 0.0000



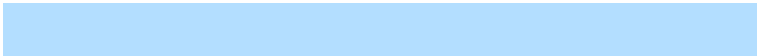
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5896, 0.2737, 0.2994



69.0039, 0.2652, 0.2920



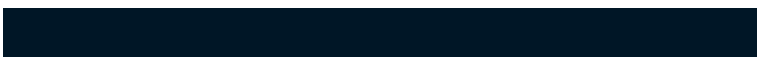
35.3246, 0.2707, 0.2646



11.8858, 0.2983, 0.3188



10.8064, 0.1841, 0.1826



0.7065, 0.1928, 0.2140

Inverse Universe

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



38.9918, 0.3359, 0.2928



58.5758, 0.3424, 0.2847



56.3217, 0.3513, 0.3861



11.3189, 0.3203, 0.3159



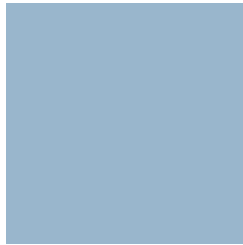
8.8939, 0.4654, 0.2337



0.4739, 0.4297, 0.2141

Previews

White Background



This preview shows how the Yxy color 44.5878, 0.2737, 0.2994 looks on a white background.

Color Contrast Check

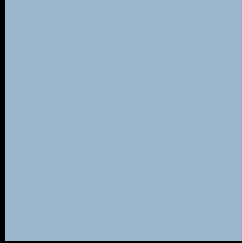
Large Text (above 18pt) WCAG AA × Fail

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 44.5878, 0.2737, 0.2994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

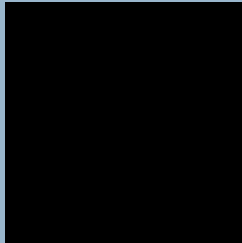
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

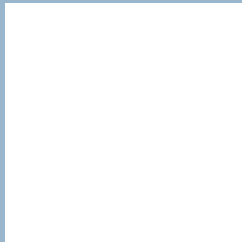
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5878, 0.2737, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 44.5878, 0.2737, 0.2994.



This preview shows how white text looks on a background with the Yxy color 44.5878, 0.2737, 0.2994.

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

44.5878, 0.2737, 0.2994

Protanopia

44.2195, 0.2923, 0.2977

Deuteranopia

44.2885, 0.2942, 0.2872



Tritanopia

44.6196, 0.2771, 0.3085

Trichromacy



Original Color

44.5878, 0.2737, 0.2994

Protanomaly

44.1648, 0.2852, 0.2986

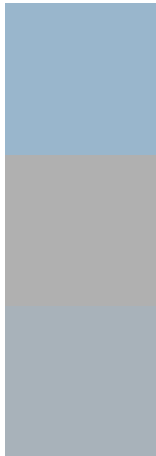
Deuteranomaly

44.1164, 0.2862, 0.2913

Tritanomaly

44.7125, 0.2758, 0.3059

Monochromacy



Original Color

44.5878, 0.2737, 0.2994

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.7108, 0.2980, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5878, 0.2737, 0.2994 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(153, 182, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 182, 204)  
}
```

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(153, 182, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 182, 204) }
```

Border

The CSS property to change the border of an element to Yxy 44.5878, 0.2737, 0.2994 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(153, 182, 204) }
```

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

```
.border{ border-color:rgb(153, 182, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 182, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 182, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 182, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 182,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5878, 0.2737, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 182, 204) }
```

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

```
.background{ background-color: rgb(153,  
182, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor