

Converting Colors

$Yxy(44.5849, 0.2511, 0.3063)$

Have a look what the booklet for
Yxy(44.5849, 0.2511, 0.3063)
contains.

Yxy(44.5849, 0.2511, 0.3063)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.5849, 0.2511, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	75BDCD
RGB	117, 189, 205
RGB Percent	46%, 74%, 80%
CMY	0.5412, 0.2588, 0.1961
CMYK	0.43, 0.08, 0.00, 0.20
HSL	191°, 47%, 63%
HSV	191°, 43%, 80%
XYZ	36.5500, 44.5849, 64.4247
YIQ	169.2960, -48.0480, -10.2880

Conversions

Conversions Part 2

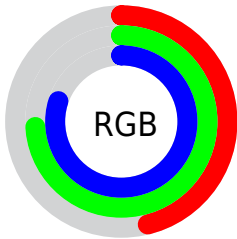
Format	Color
RYB	117, 157, 205
Decimal	7716301
CIELab	72.62, -18.38, -15.11
CIElCh	73, 23.794, 219.437
Yxy	44.5849, 0.2511, 0.3063
Android (android.graphics.Color)	4285906381 (0xFF75BDCD)
YUV	169.2960, 17.6021, -45.8636
Hunter-Lab	66.7719, -19.1425, -10.4654

Details

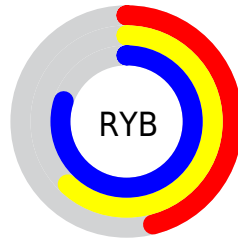
The Yxy color **44.5849, 0.2511, 0.3063** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.0262, 0.4146, 0.3499**, and the grayscale version is **39.7587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4091, 0.2653, 0.3179**, and **20.8348, 0.2344, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **41.7383, 0.2394, 0.3001**, and if you desaturate by 10%, it is **47.7869, 0.2641, 0.3122**.

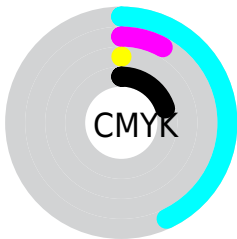
Distribution



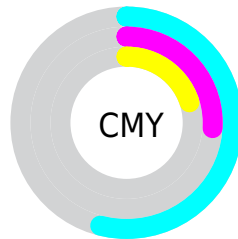
- Red (46%)
- Green (74%)
- Blue (80%)



- Red (46%)
- Yellow (62%)
- Blue (80%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (54%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5849, 0.2511, 0.3063 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 44.5849, 0.2511, 0.3063 by changing the saturation by 10% instead.

■ 44.5849, 0.2511,
0.3063

■ 44.5849, 0.2511,
0.3063

■ 365.0898, 0.2814,
0.3184

■ 31.1306, 0.2437,
0.3031

■ 82.0972, 0.2620,
0.3108

■ 20.6983, 0.2343,
0.2989

■ 106.9239, 0.2661,
0.3125

■ 12.9037, 0.2221,
0.2931

■ 136.3102, 0.2696,
0.3139

■ 7.3622, 0.2055,
0.2847

■ 170.6406, 0.2726,
0.3150

■ 3.6897, 0.1818,
0.2717

■ 210.2993, 0.2753,
0.3160

■ 1.5015, 0.1460,
0.2492

■ 255.6708, 0.2776,

■ 0.2898, 0.0000,

0.3169

0.1683

307.1395, 0.2796,
0.3177

0.0000, 0.0000,
0.0000

44.5849, 0.2511,
0.3063

44.5849, 0.2511,
0.3063

41.7383, 0.2394,
0.3001

47.7869, 0.2641,
0.3122

39.2211, 0.2294,
0.2937

51.3580, 0.2782,
0.3178

37.0118, 0.2212,
0.2871

55.3175, 0.2930,
0.3230

35.0835, 0.2149,
0.2805

59.6816, 0.3082,
0.3277

33.4043, 0.2105,
0.2740

64.4657, 0.3236,
0.3320

■ 32.3267, 0.2082,
0.2694

■ 69.6841, 0.3389,
0.3358

■ 74.2968, 0.3498,
0.3394

■ 76.2143, 0.3491,
0.3431

■ 78.1752, 0.3483,
0.3469

Harmonies

Analogous

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



44.5849, 0.2655, 0.3378



44.5849, 0.2511, 0.3063



44.5849, 0.2522, 0.2835

Triad

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



44.5849, 0.2511, 0.3063



44.5849, 0.3310, 0.2938



44.5849, 0.3570, 0.3873

Complementary

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



44.5849, 0.2511, 0.3063



31.0262, 0.4146, 0.3499

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.



44.5849, 0.3766, 0.3714



44.5849, 0.2511, 0.3063



44.5849, 0.3615, 0.3180

Square

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



44.5849, 0.2511, 0.3063



44.5849, 0.2967, 0.2779



44.5849, 0.3785, 0.3459



44.5849, 0.3259, 0.3871

Rectangle

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



44.5849, 0.2511, 0.3063



44.5849, 0.2614, 0.2755



44.5849, 0.3785, 0.3459



44.5849, 0.3652, 0.3835

Sweetspot

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



44.5866, 0.2511, 0.3063



90.4660, 0.2926, 0.3228



49.0918, 0.2978, 0.4390



19.0417, 0.2893, 0.3217



0.0000, 0.0000, 0.0000



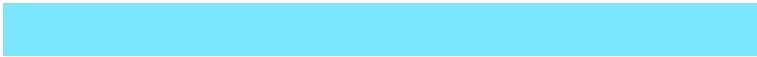
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5866, 0.2511, 0.3063



68.4979, 0.2397, 0.3003



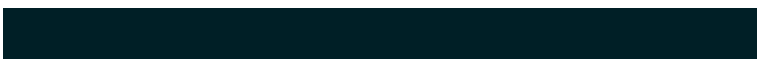
28.8452, 0.2404, 0.2417



12.3671, 0.2983, 0.3247



20.2564, 0.2085, 0.2704



1.1376, 0.2120, 0.2830

Inverse Universe

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



29.3715, 0.3344, 0.2412



41.0429, 0.3408, 0.2232



45.1749, 0.3906, 0.4024



11.3674, 0.3165, 0.3102



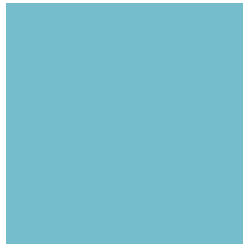
9.8479, 0.3725, 0.1825



0.5174, 0.3607, 0.1760

Previews

White Background



This preview shows how the Yxy color 44.5849, 0.2511, 0.3063 looks on a white background.

Color Contrast Check

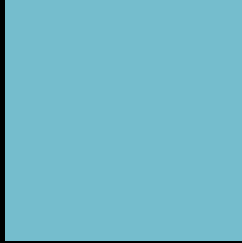
Large Text (above 18pt) WCAG AA × Fail

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 44.5849, 0.2511, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

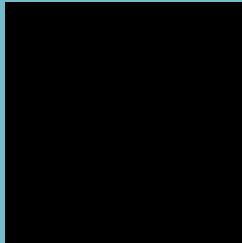
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5849, 0.2511, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 44.5849, 0.2511, 0.3063.



This preview shows how white text looks on a background with the Yxy color 44.5849, 0.2511, 0.3063.

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

44.5849, 0.2511, 0.3063

Protanopia

44.1958, 0.2953, 0.3016

Deuteranopia

44.1445, 0.2911, 0.2846



Tritanopia

44.5367, 0.2517, 0.3076

Trichromacy



Original Color

44.5849, 0.2511, 0.3063

Protanomaly

44.0879, 0.2770, 0.3032

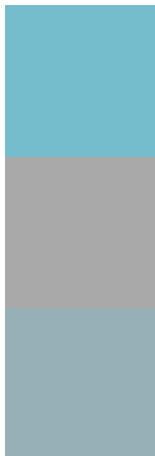
Deuteranomaly

43.9133, 0.2743, 0.2917

Tritanomaly

44.5367, 0.2517, 0.3076

Monochromacy



Original Color

44.5849, 0.2511, 0.3063

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.9121, 0.2862, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5849, 0.2511, 0.3063 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(117, 189, 205)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 205)  
}
```

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(117, 189, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 205) }
```

Border

The CSS property to change the border of an element to Yxy 44.5849, 0.2511, 0.3063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

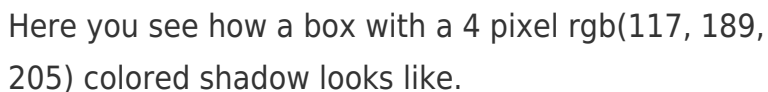
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 189, 205) }
```

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

```
.border{ border-color:rgb(117, 189, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 189, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 189, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 189, 205); box-shadow:4px 4px 4px 4px rgb(117, 189, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5849, 0.2511, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 205) }
```

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

```
.background{ background-color: rgb(117,  
189, 205) }
```

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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