

Converting Colors

$Y_{xy}(44.1398, 0.2541, 0.3118)$

Have a look what the booklet for
Yxy(44.1398, 0.2541, 0.3118)
contains.

Yxy(43.9881, 0.2543, 0.3117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.9881, 0.2543, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	76BCC8
RGB	118, 188, 200
RGB Percent	46%, 74%, 78%
CMY	0.5370, 0.2628, 0.2157
CMYK	0.41, 0.06, 0.00, 0.22
HSL	189°, 43%, 62%
HSV	189°, 41%, 78%
XYZ	35.8876, 43.9881, 61.2475
YIQ	168.4380, -45.5720, -11.1080

Conversions

Conversions Part 2

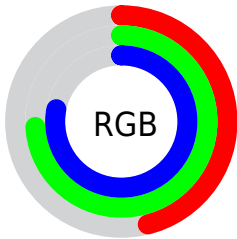
Format	Color
R _{YB}	118, 156, 200
Decimal	7781576
CIE _{Lab}	72.22, -18.87, -12.99
CIE _{LCh}	72, 22.914, 214.543
Y _{xy}	43.9881, 0.2543, 0.3117
Android (android.graphics.Color)	4285971656 (0xFF76BCC8)
YUV	168.4380, 15.5601, -44.2341
Hunter-Lab	66.3235, -19.4799, -8.3258

Details

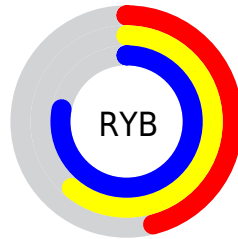
The Yxy color **43.9881, 0.2543, 0.3117** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.5804, 0.4095, 0.3452**, and the grayscale version is **39.3319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9200, 0.2657, 0.3168**, and **20.4600, 0.2385, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **41.4931, 0.2427, 0.3068**, and if you desaturate by 10%, it is **46.8090, 0.2672, 0.3164**.

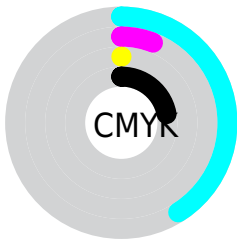
Distribution



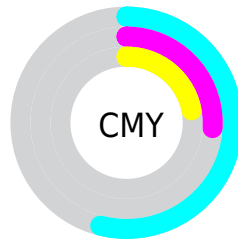
- Red (46%)
- Green (74%)
- Blue (78%)



- Red (46%)
- Yellow (61%)
- Blue (78%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)





- Cyan (54%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9881, 0.2543, 0.3117 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 43.9881, 0.2543, 0.3117 by changing the saturation by 10% instead.


 43.9881, 0.2543,
0.3117

 43.9881, 0.2543,
0.3117


362.6597, 0.2832,
0.3210


 30.6612, 0.2472,
0.3092


 81.1998, 0.2647,
0.3152

 20.3410, 0.2382,
0.3058


 105.8534, 0.2686,
0.3165

 12.6431, 0.2264,
0.3012


 135.0513, 0.2720,
0.3176

 7.1833, 0.2102,
0.2943

169.1780, 0.2749,
0.3185

 3.5770, 0.1870,
0.2834

208.6177, 0.2773,
0.3193

 1.4399, 0.1513,
0.2640

253.7550, 0.2795,

 0.2458, 0.0000,

0.3199

0.1710

304.9742, 0.2815,
0.3205

■ 0.0000, 0.0000,
0.0000

■ 43.9881, 0.2543,
0.3117

■ 43.9881, 0.2543,
0.3117

■ 41.4931, 0.2427,
0.3068

■ 46.8090, 0.2672,
0.3164

■ 39.2997, 0.2328,
0.3017

■ 49.9679, 0.2812,
0.3208

■ 37.3884, 0.2247,
0.2965

■ 53.4828, 0.2960,
0.3249

■ 35.7350, 0.2185,
0.2913

■ 57.3686, 0.3112,
0.3287

■ 34.3106, 0.2142,
0.2861

■ 61.6394, 0.3267,
0.3321

■ 33.1724, 0.2115,
0.2815

■ 66.3086, 0.3421,
0.3351

■ 70.7998, 0.3548,
0.3379

■ 72.2485, 0.3542,
0.3409

■ 73.7237, 0.3536,
0.3438

Harmonies

Analogous

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



43.9881, 0.2705, 0.3428



43.9881, 0.2543, 0.3117



43.9881, 0.2528, 0.2878

Triad

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



43.9881, 0.2543, 0.3117



43.9881, 0.3250, 0.2917



43.9881, 0.3596, 0.3838

Complementary

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



43.9881, 0.2543, 0.3117



29.5804, 0.4095, 0.3452

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.



43.9881, 0.3761, 0.3665



43.9881, 0.2543, 0.3117



43.9881, 0.3558, 0.3142

Square

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



43.9881, 0.2543, 0.3117



43.9881, 0.2922, 0.2779



43.9881, 0.3749, 0.3411



43.9881, 0.3309, 0.3864

Rectangle

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



43.9881, 0.2543, 0.3117



43.9881, 0.2602, 0.2785



43.9881, 0.3749, 0.3411



43.9881, 0.3669, 0.3794

Sweetspot

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



43.9898, 0.2543, 0.3117



91.8208, 0.2942, 0.3244



46.7545, 0.3001, 0.4371



19.4753, 0.2922, 0.3239



0.0000, 0.0000, 0.0000



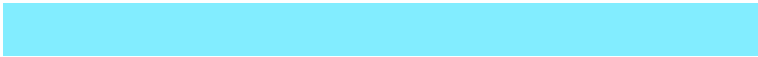
21.4041, 0.3127, 0.3290

Same Dimension

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



43.9898, 0.2543, 0.3117



72.3484, 0.2441, 0.3074



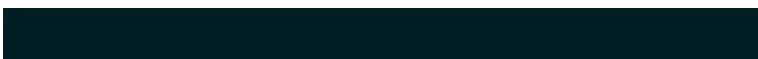
29.2439, 0.2447, 0.2509



11.7921, 0.2984, 0.3255



21.1926, 0.2117, 0.2822



1.0777, 0.2147, 0.2929

Inverse Universe

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



28.8855, 0.3300, 0.2420



43.3338, 0.3347, 0.2250



42.3272, 0.3877, 0.3958



10.7888, 0.3160, 0.3095



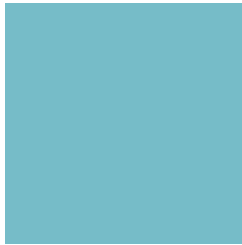
9.6794, 0.3614, 0.1765



0.4658, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 43.9881, 0.2543, 0.3117 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 43.9881, 0.2543, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

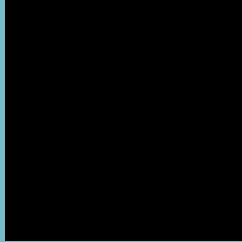
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9881, 0.2543, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 43.9881, 0.2543, 0.3117.



This preview shows how white text looks on a background with the Yxy color 43.9881, 0.2543, 0.3117.

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

43.9881, 0.2543, 0.3117

Protanopia

43.5797, 0.2992, 0.3066

Deuteranopia

43.5201, 0.2948, 0.2893



Tritanopia

44.2002, 0.2531, 0.3076

Trichromacy



Original Color

43.9881, 0.2543, 0.3117

Protanomaly

43.4527, 0.2804, 0.3084

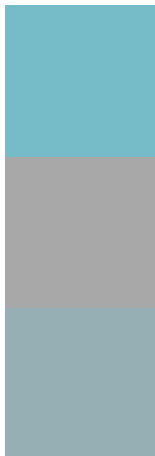
Deuteranomaly

43.2732, 0.2776, 0.2967

Tritanomaly

44.1526, 0.2537, 0.3090

Monochromacy



Original Color

43.9881, 0.2543, 0.3117

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.4393, 0.2876, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9881, 0.2543, 0.3117 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(118, 188, 200)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 200)  
}
```

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(118, 188, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 200) }
```

Border

The CSS property to change the border of an element to Yxy 43.9881, 0.2543, 0.3117 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(118, 188, 200) }
```

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

```
.border{ border-color:rgb(118, 188, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 188, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 188, 200);  
box-shadow:4px 4px 4px 4px rgb(118, 188,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9881, 0.2543, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 200) }
```

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

```
.background{ background-color: rgb(118,  
188, 200) }
```

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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