

Converting Colors

$Y_{xy}(42.3130, 0.2910, 0.3639)$

Have a look what the booklet for
Yxy(42.3130, 0.2910, 0.3639)
contains.

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Color

Yxy(42.5054, 0.2911, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	88B9A1
RGB	136, 185, 161
RGB Percent	53%, 73%, 63%
CMY	0.4666, 0.2745, 0.3686
CMYK	0.26, 0.00, 0.13, 0.27
HSL	151°, 26%, 63%
HSV	151°, 26%, 73%
XYZ	33.9367, 42.5054, 40.1388
YIQ	167.6130, -21.5000, -17.8520

Conversions

Conversions Part 2

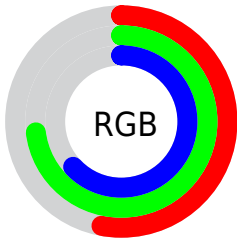
Format	Color
RYB	136, 168, 185
Decimal	8960417
CIELab	71.22, -21.22, 6.97
CIELCh	71, 22.339, 161.818
Yxy	42.5054, 0.2911, 0.3646
Android (android.graphics.Color)	4287150497 (0xFF88B9A1)
YUV	167.6130, -3.2602, -27.7246
Hunter-Lab	65.1962, -21.1783, 9.1347

Details

The Yxy color $42.5054, 0.2911, 0.3646$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $30.4627, 0.3417, 0.2960$, and the grayscale version is $38.9842, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8156, 0.2950, 0.3572$, and $19.5379, 0.2851, 0.3775$ is the 20% darker color. If you saturate the color by 10%, you get $40.7813, 0.2839, 0.3806$, and if you desaturate by 10%, it is $44.5235, 0.2990, 0.3500$.

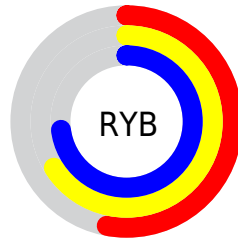
Distribution



Red (53%)

Green (73%)

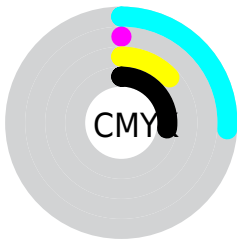
Blue (63%)



Red (53%)

Yellow (66%)

Blue (73%)

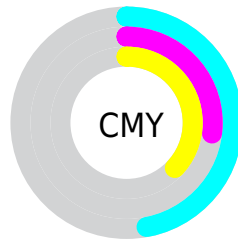


Cyan (26%)

Magenta (0%)

Yellow (13%)

Black (27%)



Cyan (47%)


Magenta (27%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5054, 0.2911, 0.3646 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 42.5054, 0.2911, 0.3646 by changing the saturation by 10% instead.

 42.5054, 0.2911,
0.3646


 42.5054, 0.2911,
0.3646

356.5738, 0.3023,
0.3461


 29.4972, 0.2882,
0.3695


 78.9640, 0.2953,
0.3577

 19.4573, 0.2844,
0.3759


 103.1831, 0.2968,
0.3552

 12.0012, 0.2791,
0.3847


 131.9081, 0.2981,
0.3530

 6.7445, 0.2715,
0.3975

165.5233, 0.2992,
0.3512

 3.3028, 0.2596,
0.4180

204.4130, 0.3001,
0.3497

 1.2918, 0.2349,
0.4583

248.9618, 0.3009,

 0.1348, 0.0000,

0.3483

1.0000

299.5539, 0.3016,
0.3471

0.0000, 0.0000,
0.0000

42.5054, 0.2911,
0.3646

42.5054, 0.2911,
0.3646

40.7813, 0.2839,
0.3806

44.5235, 0.2990,
0.3500

39.3317, 0.2776,
0.3978

46.8437, 0.3073,
0.3368

38.1430, 0.2726,
0.4161

49.4799, 0.3157,
0.3250

37.1981, 0.2692,
0.4350

52.4439, 0.3241,
0.3146

36.4778, 0.2677,
0.4541

55.7469, 0.3324,
0.3053

■ 35.9599, 0.2681,
0.4730

■ 59.3993, 0.3404,
0.2972

■ 35.6151, 0.2705,
0.4910

■ 61.3634, 0.3396,
0.2890

■ 35.5144, 0.2715,
0.4972

■ 61.8693, 0.3323,
0.2803

■ 62.4019, 0.3253,
0.2717

Harmonies

Analogous

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



42.5054, 0.3229, 0.3835



42.5054, 0.2911, 0.3646



42.5054, 0.2660, 0.3350

Triad

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



42.5054, 0.2911, 0.3646



42.5054, 0.2721, 0.2761



42.5054, 0.3760, 0.3474

Complementary

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



42.5054, 0.2911, 0.3646



30.4627, 0.3417, 0.2960

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.



42.5054, 0.3611, 0.3207



42.5054, 0.2911, 0.3646



42.5054, 0.3000, 0.2809

Square

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



42.5054, 0.2911, 0.3646



42.5054, 0.2555, 0.2844



42.5054, 0.3327, 0.2969



42.5054, 0.3728, 0.3712

Rectangle

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



42.5054, 0.2911, 0.3646



42.5054, 0.2560, 0.3146



42.5054, 0.3327, 0.2969



42.5054, 0.3730, 0.3385

Sweetspot

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



42.5072, 0.2911, 0.3646



83.1719, 0.3059, 0.3389



44.0022, 0.3300, 0.3991



17.7911, 0.3046, 0.3408



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.5072, 0.2911, 0.3646



74.2008, 0.2866, 0.3741



43.4364, 0.2746, 0.3289



10.1346, 0.3049, 0.3404



24.1963, 0.2708, 0.4950



0.8655, 0.2578, 0.4482

Inverse Universe

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



30.4627, 0.3417, 0.2960



48.8618, 0.3504, 0.2882



29.7025, 0.3686, 0.3292



9.0835, 0.3213, 0.3179



7.5472, 0.4975, 0.2514



0.2786, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 42.5054, 0.2911, 0.3646 looks on a white background.

Color Contrast Check

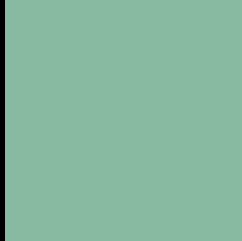
Large Text (above 18pt) WCAG AA × Fail

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 42.5054, 0.2911, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

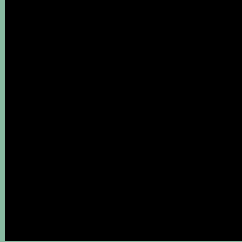
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5054, 0.2911, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 42.5054, 0.2911, 0.3646.



This preview shows how white text looks on a background with the Yxy color 42.5054, 0.2911, 0.3646.

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

42.5054, 0.2911, 0.3646

Protanopia

42.0775, 0.3354, 0.3535

Deuteranopia

42.1912, 0.3397, 0.3330



Tritanopia

42.4223, 0.2722, 0.3079

Trichromacy



Original Color

42.5054, 0.2911, 0.3646

Protanomaly

41.8779, 0.3184, 0.3573

Deuteranomaly

41.8367, 0.3201, 0.3428

Tritanomaly

42.4502, 0.2784, 0.3275

Monochromacy



Original Color

42.5054, 0.2911, 0.3646

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.0566, 0.3042, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5054, 0.2911, 0.3646 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(136, 185, 161)` looks like.

```
.text, #text, p{  
    color:rgb(136, 185, 161)  
}
```

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(136, 185, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 185, 161) }
```

Border

The CSS property to change the border of an element to Yxy 42.5054, 0.2911, 0.3646 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(136, 185, 161) }
```

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

```
.border{ border-color:rgb(136, 185, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 185, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 185, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 185, 161); box-shadow:4px 4px 4px 4px rgb(136, 185, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5054, 0.2911, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 185, 161) }
```

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

```
.background{ background-color: rgb(136,  
185, 161) }
```

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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