

Converting Colors

$Y_{xy}(42.3390, 0.2625, 0.3069)$

Have a look what the booklet for
Yxy(42.3390, 0.2625, 0.3069)
contains.

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Color

Yxy(42.3584, 0.2623, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	83B6C6
RGB	131, 182, 198
RGB Percent	51%, 71%, 78%
CMY	0.4861, 0.2863, 0.2235
CMYK	0.34, 0.08, 0.00, 0.22
HSL	194°, 37%, 65%
HSV	194°, 34%, 78%
XYZ	36.2855, 42.3584, 59.6919
YIQ	168.5750, -35.5320, -5.8360

Conversions

Conversions Part 2

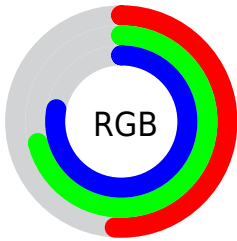
Format	Color
RYB	131, 160, 198
Decimal	8632006
CIELab	71.12, -12.79, -13.49
CIELCh	71, 18.585, 226.519
Yxy	42.3584, 0.2623, 0.3062
Android (android.graphics.Color)	4286822086 (0xFF83B6C6)
YUV	168.5750, 14.5065, -32.9533
Hunter-Lab	65.0833, -14.3780, -8.8201

Details

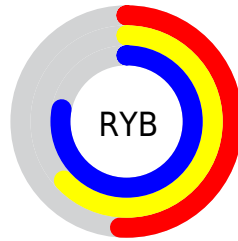
The Yxy color **42.3584, 0.2623, 0.3062** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5283, 0.3840, 0.3505**, and the grayscale version is **39.4002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8082, 0.2713, 0.3104**, and **19.3338, 0.2480, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **39.0205, 0.2488, 0.2983**, and if you desaturate by 10%, it is **46.0673, 0.2767, 0.3136**.

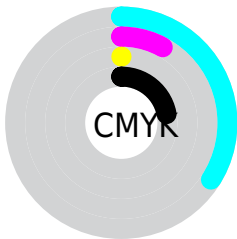
Distribution



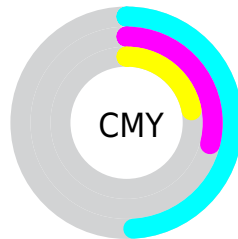
- Red (51%)
- Green (71%)
- Blue (78%)



- Red (51%)
- Yellow (63%)
- Blue (78%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3584, 0.2623, 0.3062 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 42.3584, 0.2623, 0.3062 by changing the saturation by 10% instead.

■ 42.3584, 0.2623,
0.3062

■ 42.3584, 0.2623,
0.3062

■ 355.9665, 0.2875,
0.3182

■ 29.3820, 0.2561,
0.3030

■ 78.7418, 0.2714,
0.3107

■ 19.3700, 0.2481,
0.2989

■ 102.9175, 0.2749,
0.3123

■ 11.9379, 0.2375,
0.2932

■ 131.5952, 0.2778,
0.3137

■ 6.7014, 0.2229,
0.2851

■ 165.1593, 0.2802,
0.3149

■ 3.2761, 0.2016,
0.2723

■ 203.9940, 0.2824,
0.3159

■ 1.2775, 0.1678,
0.2500

■ 248.4839, 0.2843,

■ 0.1237, 0.0000,

0.3167

0.1026

299.0132, 0.2860,
0.3175

0.0000, 0.0000,
0.0000

42.3584, 0.2623,
0.3062

42.3584, 0.2623,
0.3062

39.0205, 0.2488,
0.2983

46.0673, 0.2767,
0.3136

36.0308, 0.2366,
0.2899

50.1588, 0.2916,
0.3205

33.3711, 0.2259,
0.2813

54.6498, 0.3069,
0.3268

31.0197, 0.2170,
0.2725

59.5550, 0.3221,
0.3324

28.9511, 0.2101,
0.2636

64.8878, 0.3372,
0.3375

■ 27.1352, 0.2051,
0.2548

■ 70.6615, 0.3519,
0.3420

■ 26.1047, 0.2026,
0.2494

■ 74.0047, 0.3549,
0.3466

■ 76.4523, 0.3539,
0.3514

■ 78.9703, 0.3528,
0.3561

Harmonies

Analogous

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



42.3584, 0.2712, 0.3301



42.3584, 0.2623, 0.3062



42.3584, 0.2661, 0.2899

Triad

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



42.3584, 0.2623, 0.3062



42.3584, 0.3336, 0.3049



42.3584, 0.3429, 0.3764

Complementary

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



42.3584, 0.2623, 0.3062



34.5283, 0.3840, 0.3505

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.



42.3584, 0.3610, 0.3670



42.3584, 0.2623, 0.3062



42.3584, 0.3558, 0.3257

Square

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



42.3584, 0.2623, 0.3062



42.3584, 0.3064, 0.2900



42.3584, 0.3659, 0.3482



42.3584, 0.3172, 0.3724

Rectangle

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



42.3584, 0.2623, 0.3062



42.3584, 0.2755, 0.2850



42.3584, 0.3659, 0.3482



42.3584, 0.3501, 0.3747

Sweetspot

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



42.3601, 0.2623, 0.3062



91.6524, 0.2972, 0.3229



47.3148, 0.2978, 0.4048



19.3791, 0.2950, 0.3220



0.0000, 0.0000, 0.0000



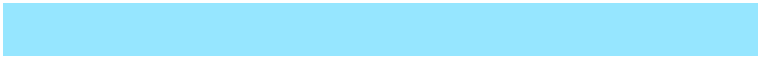
21.4041, 0.3127, 0.3290

Same Dimension

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



42.3601, 0.2623, 0.3062



70.3441, 0.2517, 0.3001



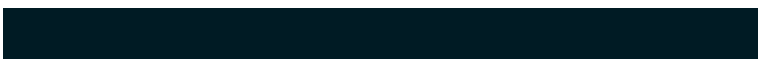
30.3678, 0.2559, 0.2566



11.6212, 0.2984, 0.3233



17.1134, 0.2030, 0.2506



0.9170, 0.2080, 0.2688

Inverse Universe

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



31.6266, 0.3328, 0.2641



48.9301, 0.3389, 0.2493



46.3481, 0.3700, 0.3921



10.7716, 0.3173, 0.3116



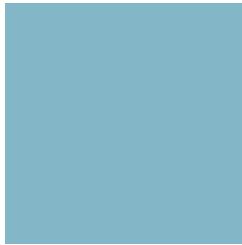
9.2676, 0.3916, 0.1931



0.4496, 0.3739, 0.1834

Previews

White Background



This preview shows how the Yxy color 42.3584, 0.2623, 0.3062 looks on a white background.

Color Contrast Check

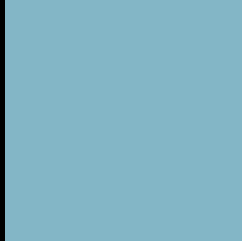
Large Text (above 18pt) WCAG AA × Fail

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 42.3584, 0.2623, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

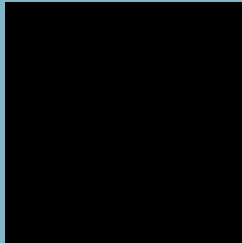
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

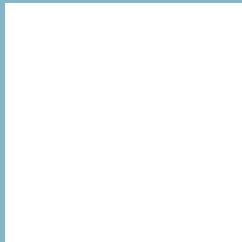
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3584, 0.2623, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 42.3584, 0.2623, 0.3062.



This preview shows how white text looks on a background with the Yxy color 42.3584, 0.2623, 0.3062.

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

42.3584, 0.2623, 0.3062

Protanopia

41.9687, 0.2958, 0.3023

Deuteranopia

41.9401, 0.2938, 0.2875



Tritanopia

42.3124, 0.2629, 0.3076

Trichromacy



Original Color

42.3584, 0.2623, 0.3062

Protanomaly

42.0136, 0.2822, 0.3043

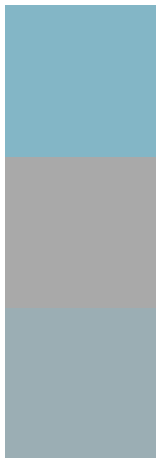
Deuteranomaly

41.9158, 0.2809, 0.2939

Tritanomaly

42.3124, 0.2629, 0.3076

Monochromacy



Original Color

42.3584, 0.2623, 0.3062

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.5360, 0.2917, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3584, 0.2623, 0.3062 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(131, 182, 198)` looks like.

```
.text, #text, p{  
    color:rgb(131, 182, 198)  
}
```

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(131, 182, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 182, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.3584, 0.2623, 0.3062 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(131, 182, 198) }
```

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

```
.border{ border-color:rgb(131, 182, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 182, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 182, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 182, 198);  
box-shadow:4px 4px 4px 4px rgb(131, 182,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3584, 0.2623, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 182, 198) }
```

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

```
.background{ background-color: rgb(131,  
182, 198) }
```

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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