

Converting Colors

$Y_{xy}(33.2862, 0.2423, 0.3054)$

Have a look what the booklet for
Yxy(33.2862, 0.2423, 0.3054)
contains.

Yxy(33.0895, 0.2420, 0.3046)	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(33.0895, 0.2420, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	58A7B6
RGB	88, 167, 182
RGB Percent	35%, 65%, 71%
CMY	0.6547, 0.3451, 0.2863
CMYK	0.52, 0.08, 0.00, 0.29
HSL	190°, 39%, 53%
HSV	190°, 52%, 71%
XYZ	26.2891, 33.0895, 49.2540
YIQ	145.0890, -51.8990, -12.0830

Conversions

Conversions Part 2

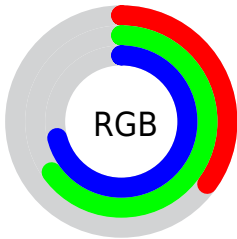
Format	Color
R_{YB}	88, 131, 182
Decimal	5810102
CIE _{Lab}	64.23, -20.06, -15.20
CIE _{LCh}	64, 25.166, 217.145
Yxy	33.0895, 0.2420, 0.3046
Android (android.graphics.Color)	4284000182 (0xFF58A7B6)
YUV	145.0890, 18.1971, -50.0671
Hunter-Lab	57.5235, -19.0889, -10.5002

Details

The Yxy color **33.0895, 0.2420, 0.3046** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3588, 0.4461, 0.3506**, and the grayscale version is **28.2986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3449, 0.2552, 0.3095**, and **14.0406, 0.2207, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **31.2576, 0.2320, 0.2991**, and if you desaturate by 10%, it is **35.1695, 0.2536, 0.3100**.

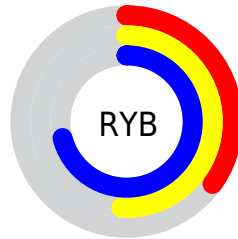
Distribution



Red (35%)

Green (65%)

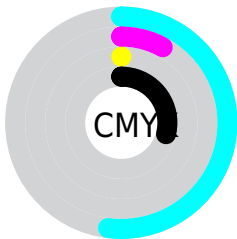
Blue (71%)



Red (35%)

Yellow (51%)

Blue (71%)

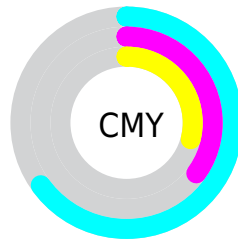


Cyan (52%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (65%)


Magenta (35%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0895, 0.2420, 0.3046 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 33.0895, 0.2420, 0.3046 by changing the saturation by 10% instead.


 33.0895, 0.2420,
0.3046


 33.0895, 0.2420,
0.3046


316.0528, 0.2784,
0.3183


 22.1950, 0.2326,
0.3007


 64.5152, 0.2555,
0.3100


 14.0003, 0.2205,
0.2953


 85.8153, 0.2604,
0.3119

 8.1209, 0.2041,
0.2875

 111.3526, 0.2646,
0.3134

 4.1724, 0.1811,
0.2755

 141.5117, 0.2682,
0.3147

 1.7704, 0.1468,
0.2550

176.6768, 0.2713,
0.3158

 0.4687, 0.0000,
0.2152

217.2325, 0.2740,

 0.0000, 0.0000,

0.3168

0.0000

263.5630, 0.2763,
0.3176

■ 33.0895, 0.2420,
0.3046

■ 33.0895, 0.2420,
0.3046

■ 31.2576, 0.2320,
0.2991

■ 35.1695, 0.2536,
0.3100

■ 29.6532, 0.2238,
0.2934

■ 37.5091, 0.2665,
0.3151

■ 28.2581, 0.2175,
0.2878

■ 40.1235, 0.2804,
0.3198

■ 27.0492, 0.2131,
0.2821

■ 43.0256, 0.2951,
0.3243

■ 26.1410, 0.2104,
0.2774

■ 46.2272, 0.3102,
0.3284

■ 49.7398, 0.3255,
0.3321

■ 53.5739, 0.3408,
0.3354

■ 57.7398, 0.3558,
0.3383

■ 62.2469, 0.3704,
0.3409

Harmonies

Analogous

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



33.0895, 0.2597, 0.3421



33.0895, 0.2420, 0.3046



33.0895, 0.2419, 0.2774

Triad

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



33.0895, 0.2420, 0.3046



33.0895, 0.3308, 0.2864



33.0895, 0.3664, 0.3962

Complementary

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



33.0895, 0.2420, 0.3046



20.3588, 0.4461, 0.3506

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.



33.0895, 0.3883, 0.3758



33.0895, 0.2420, 0.3046



33.0895, 0.3675, 0.3137

Square

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



33.0895, 0.2420, 0.3046



33.0895, 0.2910, 0.2691



33.0895, 0.3890, 0.3456



33.0895, 0.3308, 0.3982

Rectangle

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



33.0895, 0.2420, 0.3046



33.0895, 0.2516, 0.2676



33.0895, 0.3890, 0.3456



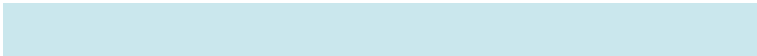
33.0895, 0.3757, 0.3910

Sweetspot

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



33.0908, 0.2420, 0.3046



76.0370, 0.2897, 0.3227



36.4929, 0.2966, 0.4674



16.5492, 0.2866, 0.3218



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.



33.0908, 0.2420, 0.3046



56.2335, 0.2307, 0.2983



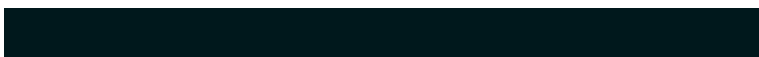
19.1114, 0.2262, 0.2240



9.9599, 0.2985, 0.3253



18.5424, 0.2106, 0.2781



0.7199, 0.2146, 0.2925

Inverse Universe

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



19.7214, 0.3371, 0.2234



30.2011, 0.3440, 0.2048



32.1804, 0.4091, 0.4138



9.1374, 0.3161, 0.3100



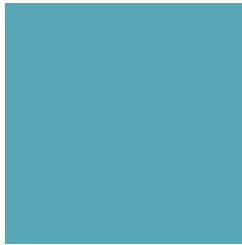
8.6542, 0.3652, 0.1786



0.3118, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 33.0895, 0.2420, 0.3046 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 33.0895, 0.2420, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

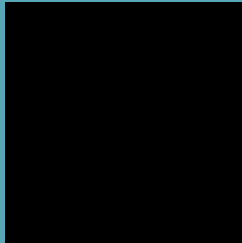
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0895, 0.2420, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 33.0895, 0.2420, 0.3046.



This preview shows how white text looks on a background with the Yxy color 33.0895, 0.2420, 0.3046.

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

33.0895, 0.2420, 0.3046

Protanopia

32.8037, 0.2939, 0.3009

Deuteranopia

32.6046, 0.2865, 0.2802



Tritanopia

33.0483, 0.2426, 0.3062

Trichromacy



Original Color

33.0895, 0.2420, 0.3046

Protanomaly

32.5980, 0.2719, 0.3026

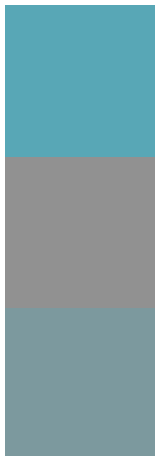
Deuteranomaly

32.3999, 0.2673, 0.2880

Tritanomaly

33.0483, 0.2426, 0.3062

Monochromacy



Original Color

33.0895, 0.2420, 0.3046

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.5362, 0.2810, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0895, 0.2420, 0.3046 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(88, 167, 182)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 182)  
}
```

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(88, 167, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 182) }
```

Border

The CSS property to change the border of an element to Yxy 33.0895, 0.2420, 0.3046 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(88, 167, 182) }
```

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

```
.border{ border-color:rgb(88, 167, 182) }
```

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

Here you see how a box with a 4 pixel rgb(88, 167, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 182);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0895, 0.2420, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 182) }
```

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

```
.background{ background-color: rgb(88, 167,  
182) }
```

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