

Converting Colors

$Yxy(30.8724, 0.2616, 0.3643)$

Have a look what the booklet for
Yxy(30.8724, 0.2616, 0.3643)
contains.

Yxy(30.7936, 0.2620, 0.3645)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7936, 0.2620, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	53A591
RGB	83, 165, 145
RGB Percent	33%, 65%, 57%
CMY	0.6743, 0.3529, 0.4315
CMYK	0.50, 0.00, 0.12, 0.35
HSL	165°, 33%, 49%
HSV	165°, 50%, 65%
XYZ	22.1342, 30.7936, 31.5539
YIQ	138.2020, -42.4520, -23.6040

Conversions

Conversions Part 2

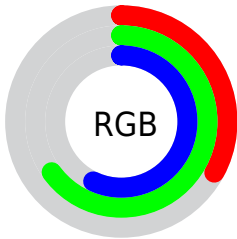
Format	Color
RYB	83, 130, 165
Decimal	5481873
CIELab	62.33, -30.02, 2.71
CIElCh	62, 30.146, 174.850
Yxy	30.7936, 0.2620, 0.3645
Android (android.graphics.Color)	4283671953 (0xFF53A591)
YUV	138.2020, 3.3514, -48.4122
Hunter-Lab	55.4920, -25.9122, 5.1308

Details

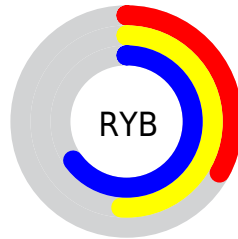
The Yxy color **30.7936, 0.2620, 0.3645** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.1733, 0.4138, 0.2981**, and the grayscale version is **25.4997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7132, 0.2722, 0.3563**, and **12.8186, 0.2448, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **30.0089, 0.2554, 0.3731**, and if you desaturate by 10%, it is **31.7638, 0.2702, 0.3563**.

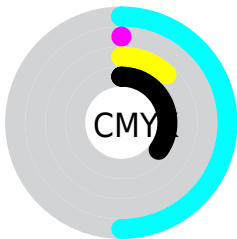
Distribution



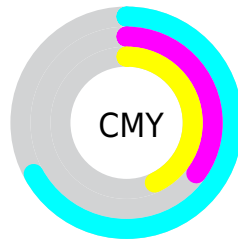
- Red (33%)
- Green (65%)
- Blue (57%)



- Red (33%)
- Yellow (51%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7936, 0.2620, 0.3645 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 30.7936, 0.2620, 0.3645 by changing the saturation by 10% instead.


 30.7936, 0.2620,
0.3645


 30.7936, 0.2620,
0.3645


305.5863, 0.2891,
0.3453


 20.4417, 0.2546,
0.3698


 60.9150, 0.2723,
0.3571

 12.7165, 0.2447,
0.3770


 81.4533, 0.2760,
0.3545


 7.2337, 0.2308,
0.3873


 106.1558, 0.2791,
0.3523

 3.6087, 0.2099,
0.4030

 135.4070, 0.2818,
0.3505

 1.4571, 0.1681,
0.4338

 169.5913, 0.2840,
0.3489

 0.2583, 0.0000,
0.7372

209.0930, 0.2859,

 0.0000, 0.0000,

0.3475

0.0000

254.2965, 0.2876,
0.3464

■ 30.7936, 0.2620,
0.3645

■ 30.7936, 0.2620,
0.3645

■ 30.0089, 0.2554,
0.3731

■ 31.7638, 0.2702,
0.3563

■ 29.3931, 0.2505,
0.3819

■ 32.9275, 0.2797,
0.3486

■ 28.9328, 0.2476,
0.3909


■ 34.2965, 0.2902,
0.3414


■ 28.6108, 0.2465,
0.3998

■ 35.8808, 0.3014,
0.3348

■ 28.3897, 0.2469,
0.4087

■ 37.6896, 0.3131,
0.3288

 28.3828, 0.2470,
0.4090

 39.7315, 0.3251,
0.3234

 42.0149, 0.3371,
0.3186

 44.5475, 0.3490,
0.3144

 47.3368, 0.3606,
0.3106

Harmonies

Analogous

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



30.7936, 0.3056, 0.4036



30.7936, 0.2620, 0.3645



30.7936, 0.2333, 0.3162

Triad

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



30.7936, 0.2620, 0.3645



30.7936, 0.2684, 0.2528



30.7936, 0.4092, 0.3704

Complementary

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



30.7936, 0.2620, 0.3645



15.1733, 0.4138, 0.2981

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.



30.7936, 0.3988, 0.3321



30.7936, 0.2620, 0.3645



30.7936, 0.3140, 0.2674

Square

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



30.7936, 0.2620, 0.3645



30.7936, 0.2369, 0.2554



30.7936, 0.3628, 0.2956



30.7936, 0.3917, 0.4023

Rectangle

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



30.7936, 0.2620, 0.3645



30.7936, 0.2252, 0.2882



30.7936, 0.3628, 0.2956



30.7936, 0.4090, 0.3579

Sweetspot

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



30.7948, 0.2620, 0.3645



62.6212, 0.2950, 0.3384



30.4507, 0.3225, 0.4750



13.5693, 0.2928, 0.3398



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.7948, 0.2620, 0.3645



53.5681, 0.2546, 0.3743



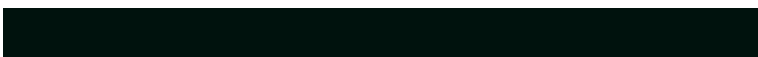
24.6593, 0.2420, 0.2923



7.9815, 0.3019, 0.3345



21.4801, 0.2467, 0.4081



0.4581, 0.2378, 0.3760

Inverse Universe

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



15.1733, 0.4138, 0.2981



22.2172, 0.4522, 0.2929



18.4314, 0.4310, 0.3614



7.1130, 0.3248, 0.3235



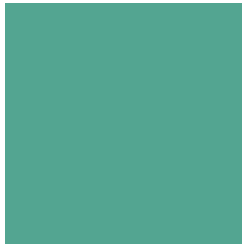
6.1760, 0.5903, 0.3025



0.1367, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 30.7936, 0.2620, 0.3645 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 30.7936, 0.2620, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

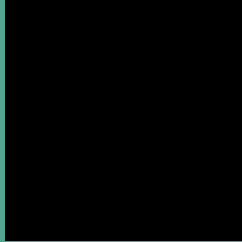
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7936, 0.2620, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 30.7936, 0.2620, 0.3645.

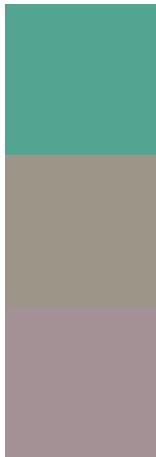


This preview shows how white text looks on a background with the Yxy color 30.7936, 0.2620, 0.3645.

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

30.7936, 0.2620, 0.3645

Protanopia

30.3404, 0.3327, 0.3493

Deuteranopia

30.3132, 0.3289, 0.3231



Tritanopia

30.8210, 0.2472, 0.3073

Trichromacy



Original Color

30.7936, 0.2620, 0.3645

Protanomaly

29.9739, 0.3018, 0.3556

Deuteranomaly

29.7455, 0.2996, 0.3355

Tritanomaly

30.6089, 0.2528, 0.3271

Monochromacy



Original Color

30.7936, 0.2620, 0.3645

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.9544, 0.2894, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7936, 0.2620, 0.3645 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(83, 165, 145)` looks like.

```
.text, #text, p{  
    color:rgb(83, 165, 145)  
}
```

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(83, 165, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 165, 145) }
```

Border

The CSS property to change the border of an element to Yxy 30.7936, 0.2620, 0.3645 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(83, 165, 145) }
```

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

```
.border{ border-color:rgb(83, 165, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 165, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 165, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 165, 145);  
box-shadow:4px 4px 4px 4px rgb(83, 165,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7936, 0.2620, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 165, 145) }
```

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

```
.background{ background-color: rgb(83, 165,  
145) }
```

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