

Converting Colors

$Yxy(30.2861, 0.2589, 0.3584)$

Have a look what the booklet for
Yxy(30.2861, 0.2589, 0.3584)
contains.

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Color

Yxy(30.4068, 0.2591, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	51A493
RGB	81, 164, 147
RGB Percent	32%, 64%, 58%
CMY	0.6824, 0.3568, 0.4236
CMYK	0.51, 0.00, 0.10, 0.36
HSL	168°, 34%, 48%
HSV	168°, 51%, 64%
XYZ	21.9332, 30.4068, 32.3115
YIQ	137.2450, -44.0110, -22.8830

Conversions

Conversions Part 2

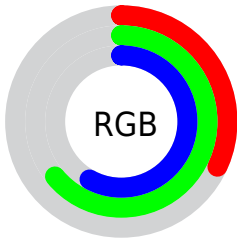
Format	Color
RYB	81, 127, 164
Decimal	5350547
CIELab	62.00, -29.54, 1.09
CIElCh	62, 29.559, 177.892
Yxy	30.4068, 0.2591, 0.3592
Android (android.graphics.Color)	4283540627 (0xFF51A493)
YUV	137.2450, 4.8092, -49.3269
Hunter-Lab	55.1424, -25.4997, 3.8578

Details

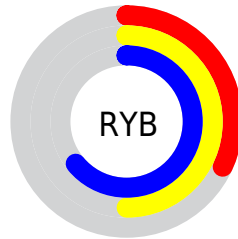
The Yxy color **30.4068, 0.2591, 0.3592** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6575, 0.4225, 0.3027**, and the grayscale version is **25.1064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1143, 0.2698, 0.3524**, and **12.5800, 0.2406, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **29.6650, 0.2523, 0.3663**, and if you desaturate by 10%, it is **31.3290, 0.2675, 0.3524**.

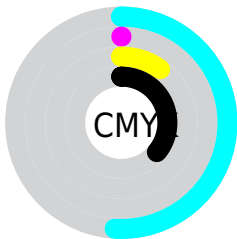
Distribution



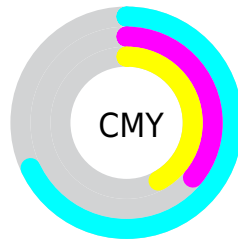
- Red (32%)
- Green (64%)
- Blue (58%)



- Red (32%)
- Yellow (50%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)





- Cyan (68%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4068, 0.2591, 0.3592 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 30.4068, 0.2591, 0.3592 by changing the saturation by 10% instead.

 30.4068, 0.2591,
0.3592


 30.4068, 0.2591,
0.3592


303.7961, 0.2877,
0.3430

 20.1476, 0.2513,
0.3636


 60.3049, 0.2700,
0.3530


 12.5024, 0.2409,
0.3696


 80.7126, 0.2739,
0.3508


 7.0868, 0.2264,
0.3780


 105.2719, 0.2772,
0.3489

 3.5164, 0.2046,
0.3908

 134.3671, 0.2799,
0.3474

 1.4069, 0.1604,
0.4163

 168.3828, 0.2823,
0.3460

 0.2218, 0.0000,
0.5727

207.7032, 0.2844,

 0.0000, 0.0000,

0.3449

0.0000

252.7129, 0.2861,
0.3439

■ 30.4068, 0.2591,
0.3592

■ 30.4068, 0.2591,
0.3592

■ 29.6650, 0.2523,
0.3663

■ 31.3290, 0.2675,
0.3524

■ 29.0873, 0.2473,
0.3736

■ 32.4397, 0.2772,
0.3459

■ 28.6601, 0.2442,
0.3810

■ 33.7505, 0.2881,
0.3399

■ 28.3664, 0.2430,
0.3883

■ 35.2714, 0.2997,
0.3344

■ 28.1753, 0.2431,
0.3952

■ 37.0113, 0.3119,
0.3293

■ 38.9790, 0.3245,
0.3247

■ 41.1826, 0.3371,
0.3207

■ 43.6297, 0.3496,
0.3171

■ 46.3278, 0.3619,
0.3139

Harmonies

Analogous

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



30.4068, 0.3010, 0.3994



30.4068, 0.2591, 0.3592



30.4068, 0.2326, 0.3119

Triad

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



30.4068, 0.2591, 0.3592



30.4068, 0.2731, 0.2546



30.4068, 0.4072, 0.3736

Complementary

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



30.4068, 0.2591, 0.3592



14.6575, 0.4225, 0.3027

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.



30.4068, 0.3998, 0.3360



30.4068, 0.2591, 0.3592



30.4068, 0.3190, 0.2706

Square

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



30.4068, 0.2591, 0.3592



30.4068, 0.2403, 0.2553



30.4068, 0.3665, 0.2995



30.4068, 0.3874, 0.4037

Rectangle

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



30.4068, 0.2591, 0.3592



30.4068, 0.2260, 0.2853



30.4068, 0.3665, 0.2995



30.4068, 0.4079, 0.3614

Sweetspot

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



30.4080, 0.2591, 0.3592



62.6831, 0.2942, 0.3369



29.7981, 0.3201, 0.4792



13.5845, 0.2919, 0.3380



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.



30.4080, 0.2591, 0.3592



53.6637, 0.2514, 0.3674



23.3269, 0.2399, 0.2863



7.9863, 0.3014, 0.3336



21.6086, 0.2429, 0.3945



0.4600, 0.2356, 0.3680

Inverse Universe

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



14.6575, 0.4225, 0.3027



21.7282, 0.4641, 0.2987



18.4900, 0.4317, 0.3662



7.1086, 0.3254, 0.3244



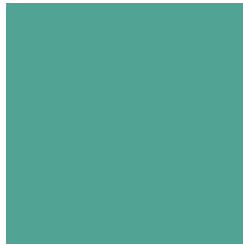
6.1443, 0.6020, 0.3090



0.1352, 0.5139, 0.2605

Previews

White Background



This preview shows how the Yxy color 30.4068, 0.2591, 0.3592 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 30.4068, 0.2591, 0.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

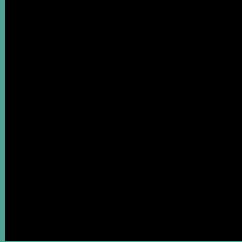
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4068, 0.2591, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 30.4068, 0.2591, 0.3592.



This preview shows how white text looks on a background with the Yxy color 30.4068, 0.2591, 0.3592.

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

30.4068, 0.2591, 0.3592

Protanopia

29.8848, 0.3288, 0.3447

Deuteranopia

29.8623, 0.3249, 0.3185



Tritanopia

30.2826, 0.2457, 0.3071

Trichromacy



Original Color

30.4068, 0.2591, 0.3592

Protanomaly

29.5463, 0.2981, 0.3507

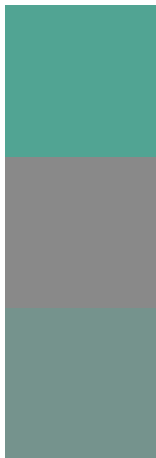
Deuteranomaly

29.3218, 0.2959, 0.3306

Tritanomaly

30.1485, 0.2500, 0.3237

Monochromacy



Original Color

30.4068, 0.2591, 0.3592

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5724, 0.2884, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4068, 0.2591, 0.3592 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(81, 164, 147)` looks like.

```
.text, #text, p{  
  color:rgb(81, 164, 147)  
}
```

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(81, 164, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 164, 147) }
```

Border

The CSS property to change the border of an element to Yxy 30.4068, 0.2591, 0.3592 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(81, 164, 147) }
```

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

```
.border{ border-color:rgb(81, 164, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 164, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 164, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 164, 147);  
box-shadow:4px 4px 4px 4px rgb(81, 164,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4068, 0.2591, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 164, 147) }
```

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

```
.background{ background-color: rgb(81, 164,  
147) }
```

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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