

Converting Colors

$Y_{xy}(32.5047, 0.2388, 0.3019)$

Have a look what the booklet for
Yxy(32.5047, 0.2388, 0.3019)
contains.

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Color

Yxy(32.5303, 0.2384, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	53A6B7
RGB	83, 166, 183
RGB Percent	33%, 65%, 72%
CMY	0.6747, 0.3490, 0.2823
CMYK	0.55, 0.09, 0.00, 0.28
HSL	190°, 41%, 52%
HSV	190°, 55%, 72%
XYZ	25.7478, 32.5303, 49.7243
YIQ	143.1210, -54.9250, -12.3090

Conversions

Conversions Part 2

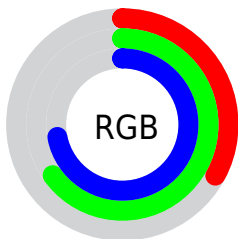
Format	Color
RYB	83, 128, 183
Decimal	5482167
CIELab	63.78, -20.35, -16.47
CIELCh	64, 26.179, 218.976
Yxy	32.5303, 0.2384, 0.3012
Android (android.graphics.Color)	4283672247 (0xFF53A6B7)
YUV	143.1210, 19.6603, -52.7261
Hunter-Lab	57.0353, -19.2307, -11.7652

Details

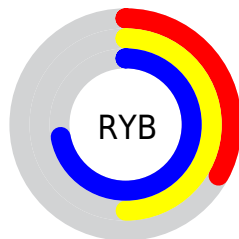
The Yxy color **32.5303, 0.2384, 0.3012** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7967, 0.4572, 0.3530**, and the grayscale version is **27.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5203, 0.2525, 0.3070**, and **13.7109, 0.2159, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **30.6898, 0.2288, 0.2952**, and if you desaturate by 10%, it is **34.6202, 0.2496, 0.3070**.

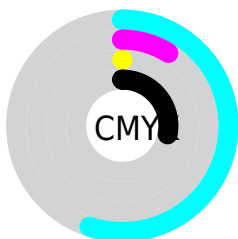
Distribution



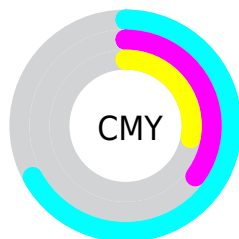
- Red (33%)
- Green (65%)
- Blue (72%)



- Red (33%)
- Yellow (50%)
- Blue (72%)



- Cyan (55%)
- Magenta (9%)
- Yellow (0%)
- Black (28%)





- Cyan (67%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5303, 0.2384, 0.3012 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 32.5303, 0.2384, 0.3012 by changing the saturation by 10% instead.

 32.5303, 0.2384,
0.3012


 32.5303, 0.2384,
0.3012


313.5279, 0.2767,
0.3168


 21.7669, 0.2286,
0.2967


 63.6415, 0.2525,
0.3073


 13.6857, 0.2158,
0.2906


 84.7581, 0.2578,
0.3095

 7.9024, 0.1986,
0.2818


 110.0945, 0.2622,
0.3112

 4.0326, 0.1746,
0.2683

 140.0351, 0.2660,
0.3127

 1.6918, 0.1390,
0.2454

174.9644, 0.2692,
0.3140

 0.4183, 0.0000,
0.1920

215.2667, 0.2720,

 0.0000, 0.0000,

0.3151

0.0000

261.3264, 0.2745,
0.3160

■ 32.5303, 0.2384,
0.3012

■ 32.5303, 0.2384,
0.3012

■ 30.6898, 0.2288,
0.2952

■ 34.6202, 0.2496,
0.3070

■ 29.0772, 0.2210,
0.2892

■ 36.9717, 0.2623,
0.3125

■ 27.6730, 0.2152,
0.2831

■ 39.6007, 0.2760,
0.3177

■ 26.4524, 0.2111,
0.2771

■ 42.5205, 0.2906,
0.3226

■ 25.8483, 0.2094,
0.2739

■ 45.7436, 0.3056,
0.3271

■ 49.2815, 0.3209,
0.3311

■ 53.1454, 0.3361,
0.3348

■ 57.3456, 0.3512,
0.3380

■ 61.8921, 0.3659,
0.3409

Harmonies

Analogous

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



32.5303, 0.2557, 0.3401



32.5303, 0.2384, 0.3012



32.5303, 0.2394, 0.2737

Triad

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



32.5303, 0.2384, 0.3012



32.5303, 0.3341, 0.2861



32.5303, 0.3668, 0.4000

Complementary

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



32.5303, 0.2384, 0.3012



19.7967, 0.4572, 0.3530

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.



32.5303, 0.3909, 0.3794



32.5303, 0.2384, 0.3012



32.5303, 0.3720, 0.3149

Square

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



32.5303, 0.2384, 0.3012



32.5303, 0.2924, 0.2673



32.5303, 0.3932, 0.3482



32.5303, 0.3290, 0.4010

Rectangle

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



32.5303, 0.2384, 0.3012



32.5303, 0.2502, 0.2644



32.5303, 0.3932, 0.3482



32.5303, 0.3769, 0.3949

Sweetspot

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



32.5315, 0.2384, 0.3012



75.2797, 0.2882, 0.3218



36.6192, 0.2950, 0.4742



16.3846, 0.2852, 0.3209



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.



32.5315, 0.2384, 0.3012



54.2264, 0.2268, 0.2938



17.8171, 0.2203, 0.2134



9.9439, 0.2985, 0.3250



18.1184, 0.2096, 0.2746



0.7082, 0.2139, 0.2901

Inverse Universe

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



19.0009, 0.3403, 0.2192



28.5416, 0.3483, 0.2005



32.3946, 0.4144, 0.4203



9.1358, 0.3163, 0.3102



8.6114, 0.3684, 0.1803



0.3106, 0.3543, 0.1725

Previews

White Background



This preview shows how the Yxy color 32.5303, 0.2384, 0.3012 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 32.5303, 0.2384, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

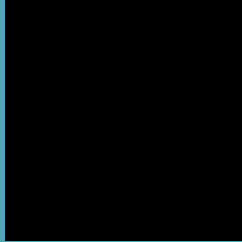
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5303, 0.2384, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 32.5303, 0.2384, 0.3012.



This preview shows how white text looks on a background with the Yxy color 32.5303, 0.2384, 0.3012.

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

32.5303, 0.2384, 0.3012

Protanopia

31.9965, 0.2912, 0.2962

Deuteranopia

32.0333, 0.2829, 0.2770



Tritanopia

32.7266, 0.2400, 0.3075

Trichromacy



Original Color

32.5303, 0.2384, 0.3012

Protanomaly

31.7239, 0.2684, 0.2978

Deuteranomaly

31.7917, 0.2632, 0.2847

Tritanomaly

32.7675, 0.2394, 0.3060

Monochromacy



Original Color

32.5303, 0.2384, 0.3012

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.6668, 0.2781, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5303, 0.2384, 0.3012 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, 166, 183)` looks like.

```
.text, #text, p{  
    color:rgb(83, 166, 183)  
}
```

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, 166, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 166, 183) }
```

Border

The CSS property to change the border of an element to Yxy 32.5303, 0.2384, 0.3012 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, 166, 183) }
```

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

```
.border{ border-color:rgb(83, 166, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 166, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 166, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 166, 183);  
box-shadow:4px 4px 4px 4px rgb(83, 166,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5303, 0.2384, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 166, 183) }
```

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

```
.background{ background-color: rgb(83, 166,  
183) }
```

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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