

Converting Colors

$Y_{xy}(33.2545, 0.2388, 0.2979)$

Have a look what the booklet for
Yxy(33.2545, 0.2388, 0.2979)
contains.

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Color

Yxy(33.2088, 0.2391, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	57A7BA
RGB	87, 167, 186
RGB Percent	34%, 65%, 73%
CMY	0.6590, 0.3451, 0.2705
CMYK	0.53, 0.10, 0.00, 0.27
HSL	192°, 42%, 54%
HSV	192°, 53%, 73%
XYZ	26.6093, 33.2088, 51.4714
YIQ	145.2460, -53.7790, -11.0510

Conversions

Conversions Part 2

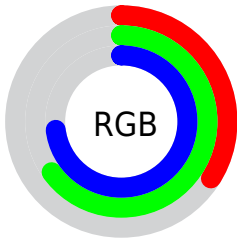
Format	Color
R _Y B	87, 131, 186
Decimal	5744570
CIE Lab	64.33, -19.16, -17.30
CIE LCh	64, 25.813, 222.083
Yxy	33.2088, 0.2391, 0.2984
Android (android.graphics.Color)	4283934650 (0xFF57A7BA)
YUV	145.2460, 20.0917, -51.0817
Hunter-Lab	57.6271, -18.4249, -12.6178

Details

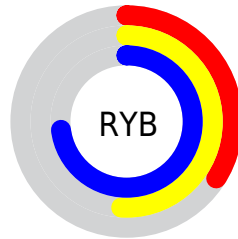
The Yxy color **33.2088, 0.2391, 0.2984** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4270, 0.4501, 0.3556**, and the grayscale version is **28.3491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5826, 0.2532, 0.3048**, and **14.1036, 0.2169, 0.2872** is the 20% darker color. If you saturate the color by 10%, you get **31.1379, 0.2290, 0.2916**, and if you desaturate by 10%, it is **35.5489, 0.2508, 0.3050**.

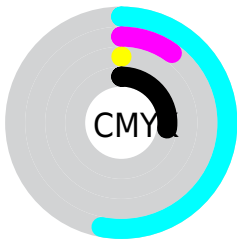
Distribution



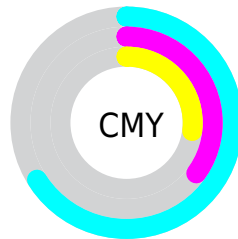
- Red (34%)
- Green (65%)
- Blue (73%)



- Red (34%)
- Yellow (51%)
- Blue (73%)



- Cyan (53%)
- Magenta (10%)
- Yellow (0%)
- Black (27%)





- Cyan (66%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2088, 0.2391, 0.2984 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 33.2088, 0.2391, 0.2984 by changing the saturation by 10% instead.

 33.2088, 0.2391,
0.2984


 33.2088, 0.2391,
0.2984


316.5895, 0.2769,
0.3154


 22.2864, 0.2294,
0.2936


 64.7014, 0.2530,
0.3050


 14.0675, 0.2169,
0.2871


 86.0404, 0.2582,
0.3073

 8.1676, 0.2001,
0.2779


 111.6204, 0.2626,
0.3093

 4.2024, 0.1767,
0.2638

 141.8259, 0.2663,
0.3109

 1.7874, 0.1421,
0.2405

177.0411, 0.2695,
0.3123

 0.4793, 0.0000,
0.1971

217.6505, 0.2723,

 0.0000, 0.0000,

0.3134

0.0000

264.0385, 0.2747,
0.3145

■ 33.2088, 0.2391,
0.2984

■ 33.2088, 0.2391,
0.2984

■ 31.1379, 0.2290,
0.2916

■ 35.5489, 0.2508,
0.3050

■ 29.3141, 0.2206,
0.2847

■ 38.1709, 0.2638,
0.3112

■ 27.7175, 0.2142,
0.2778

■ 41.0911, 0.2779,
0.3171

■ 26.3228, 0.2097,
0.2709

■ 44.3234, 0.2926,
0.3225

■ 25.4630, 0.2073,
0.2663

■ 47.8806, 0.3077,
0.3275

■ 51.7749, 0.3230,
0.3320

■ 56.0177, 0.3382,
0.3360

■ 60.6200, 0.3531,
0.3396

■ 65.5920, 0.3675,
0.3428

Harmonies

Analogous

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



33.2088, 0.2543, 0.3357



33.2088, 0.2391, 0.2984



33.2088, 0.2420, 0.2730

Triad

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



33.2088, 0.2391, 0.2984



33.2088, 0.3379, 0.2895



33.2088, 0.3624, 0.3997

Complementary

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



33.2088, 0.2391, 0.2984



21.4270, 0.4501, 0.3556

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.



33.2088, 0.3878, 0.3812



33.2088, 0.2391, 0.2984



33.2088, 0.3738, 0.3185

Square

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



33.2088, 0.2391, 0.2984



33.2088, 0.2968, 0.2698



33.2088, 0.3924, 0.3513



33.2088, 0.3245, 0.3981

Rectangle

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



33.2088, 0.2391, 0.2984



33.2088, 0.2538, 0.2648



33.2088, 0.3924, 0.3513



33.2088, 0.3727, 0.3953

Sweetspot

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



33.2101, 0.2391, 0.2984



78.5009, 0.2881, 0.3209



38.1711, 0.2943, 0.4672



17.0181, 0.2851, 0.3198



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



33.2101, 0.2391, 0.2984



55.8006, 0.2273, 0.2904



18.6012, 0.2220, 0.2139



9.9098, 0.2985, 0.3245



17.2313, 0.2076, 0.2672



0.6838, 0.2125, 0.2848

Inverse Universe

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



20.0390, 0.3423, 0.2239



30.5508, 0.3509, 0.2059



34.4531, 0.4103, 0.4203



9.1324, 0.3166, 0.3107



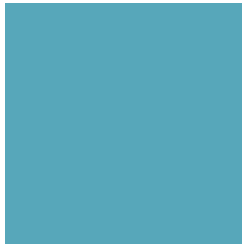
8.5218, 0.3755, 0.1842



0.3081, 0.3590, 0.1751

Previews

White Background



This preview shows how the Yxy color 33.2088, 0.2391, 0.2984 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 33.2088, 0.2391, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

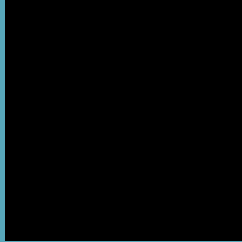
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2088, 0.2391, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 33.2088, 0.2391, 0.2984.



This preview shows how white text looks on a background with the Yxy color 33.2088, 0.2391, 0.2984.

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

33.2088, 0.2391, 0.2984

Protanopia

32.8648, 0.2896, 0.2951

Deuteranopia

32.9029, 0.2815, 0.2761



Tritanopia

33.2728, 0.2413, 0.3077

Trichromacy



Original Color

33.2088, 0.2391, 0.2984

Protanomaly

32.6808, 0.2682, 0.2967

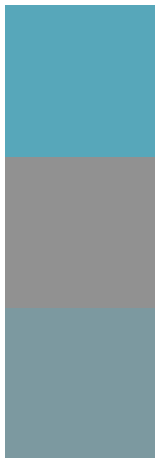
Deuteranomaly

32.4119, 0.2629, 0.2822

Tritanomaly

33.4026, 0.2407, 0.3046

Monochromacy



Original Color

33.2088, 0.2391, 0.2984

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.6056, 0.2793, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2088, 0.2391, 0.2984 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(87, 167, 186)` looks like.

```
.text, #text, p{  
    color:rgb(87, 167, 186)  
}
```

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(87, 167, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 167, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.2088, 0.2391, 0.2984 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(87, 167, 186) }
```

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

```
.border{ border-color:rgb(87, 167, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 167, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 167, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 167, 186);  
box-shadow:4px 4px 4px 4px rgb(87, 167,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2088, 0.2391, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 167, 186) }
```

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

```
.background{ background-color: rgb(87, 167,  
186) }
```

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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