

Converting Colors

$Y_{xy}(33.5390, 0.2415, 0.2989)$

Have a look what the booklet for
Yxy(33.5390, 0.2415, 0.2989)
contains.

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Color

Yxy(33.4068, 0.2413, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	5BA7BA
RGB	91, 167, 186
RGB Percent	36%, 65%, 73%
CMY	0.6431, 0.3451, 0.2706
CMYK	0.51, 0.10, 0.00, 0.27
HSL	192°, 41%, 54%
HSV	192°, 51%, 73%
XYZ	26.9962, 33.4068, 51.4751
YIQ	146.4420, -51.3950, -10.2030

Conversions

Conversions Part 2

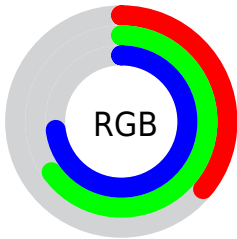
Format	Color
RYP	91, 133, 186
Decimal	6006714
CIE Lab	64.49, -18.27, -17.03
CIE LCh	64, 24.973, 222.991
Yxy	33.4068, 0.2413, 0.2986
Android (android.graphics.Color)	4284196794 (0xFF5BA7BA)
YUV	146.4420, 19.5021, -48.6226
Hunter-Lab	57.7986, -17.7750, -12.3443

Details

The Yxy color **33.4068, 0.2413, 0.2986** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3471, 0.4412, 0.3558**, and the grayscale version is **28.8715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8564, 0.2547, 0.3049**, and **14.2161, 0.2198, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **31.2338, 0.2307, 0.2916**, and if you desaturate by 10%, it is **35.8558, 0.2534, 0.3054**.

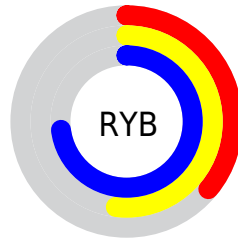
Distribution



Red (36%)

Green (65%)

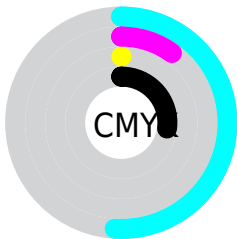
Blue (73%)



Red (36%)

Yellow (52%)

Blue (73%)

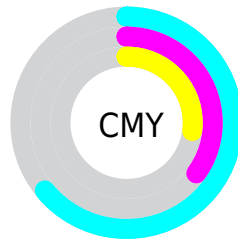


Cyan (51%)

Magenta (10%)

Yellow (0%)

Black (27%)



Cyan (64%)

Magenta (35%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4068, 0.2413, 0.2986 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 33.4068, 0.2413, 0.2986 by changing the saturation by 10% instead.

■ 33.4068, 0.2413,
0.2986

■ 33.4068, 0.2413,
0.2986

■ 317.4788, 0.2780,
0.3154

■ 22.4383, 0.2319,
0.2939

■ 65.0101, 0.2548,
0.3051

■ 14.1793, 0.2197,
0.2875

■ 86.4137, 0.2598,
0.3074

■ 8.2455, 0.2034,
0.2784

■ 112.0644, 0.2641,
0.3093

■ 4.2524, 0.1806,
0.2647

■ 142.3467, 0.2677,
0.3109

■ 1.8157, 0.1468,
0.2419

■ 177.6448, 0.2708,
0.3123

■ 0.4970, 0.0107,
0.2007

■ 218.3433, 0.2735,

■ 0.0000, 0.0000,

0.3135

0.0000

264.8265, 0.2759,
0.3145

■ 33.4068, 0.2413,
0.2986

■ 33.4068, 0.2413,
0.2986

■ 31.2338, 0.2307,
0.2916

■ 35.8558, 0.2534,
0.3054

■ 29.3149, 0.2218,
0.2844

■ 38.5931, 0.2668,
0.3118

■ 27.6311, 0.2149,
0.2771

■ 41.6348, 0.2810,
0.3178

■ 26.1581, 0.2098,
0.2699

■ 44.9945, 0.2959,
0.3234

■ 24.9777, 0.2065,
0.2635

■ 48.6849, 0.3111,
0.3285

■ 52.7181, 0.3263,
0.3331

■ 57.1054, 0.3414,
0.3372

■ 61.8576, 0.3562,
0.3408

■ 66.3326, 0.3677,
0.3442

Harmonies

Analogous

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



33.4068, 0.2555, 0.3344



33.4068, 0.2413, 0.2986



33.4068, 0.2446, 0.2744

Triad

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



33.4068, 0.2413, 0.2986



33.4068, 0.3383, 0.2915



33.4068, 0.3598, 0.3975

Complementary

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



33.4068, 0.2413, 0.2986



22.3471, 0.4412, 0.3558

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.



33.4068, 0.3848, 0.3803



33.4068, 0.2413, 0.2986



33.4068, 0.3725, 0.3198

Square

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



33.4068, 0.2413, 0.2986



33.4068, 0.2986, 0.2721



33.4068, 0.3898, 0.3516



33.4068, 0.3230, 0.3952

Rectangle

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



33.4068, 0.2413, 0.2986



33.4068, 0.2564, 0.2667



33.4068, 0.3898, 0.3516



33.4068, 0.3699, 0.3936

Sweetspot

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



33.4081, 0.2413, 0.2986



78.9428, 0.2896, 0.3211



38.4316, 0.2948, 0.4605



17.1011, 0.2865, 0.3199



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.



33.4081, 0.2413, 0.2986



56.2700, 0.2298, 0.2909



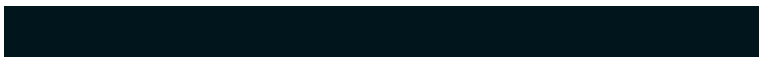
19.4669, 0.2259, 0.2196



9.8973, 0.2985, 0.3243



16.9129, 0.2068, 0.2644



0.6749, 0.2119, 0.2829

Inverse Universe

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



20.7132, 0.3418, 0.2286



31.8011, 0.3500, 0.2111



34.9428, 0.4058, 0.4169



9.1311, 0.3167, 0.3109



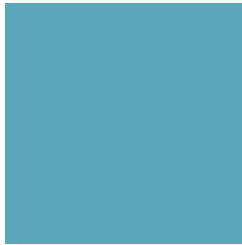
8.4897, 0.3781, 0.1857



0.3072, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 33.4068, 0.2413, 0.2986 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 33.4068, 0.2413, 0.2986 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 33.4068, 0.2413, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 33.4068, 0.2413, 0.2986.



This preview shows how white text looks on a background with the Yxy color 33.4068, 0.2413, 0.2986.

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

33.4068, 0.2413, 0.2986

Protanopia

33.0010, 0.2897, 0.2938

Deuteranopia

33.0006, 0.2824, 0.2762



Tritanopia

33.4653, 0.2434, 0.3078

Trichromacy



Original Color

33.4068, 0.2413, 0.2986

Protanomaly

32.8783, 0.2690, 0.2954

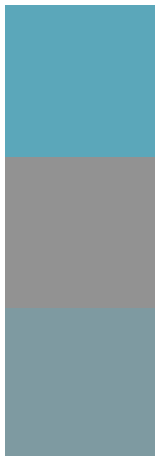
Deuteranomaly

32.5701, 0.2644, 0.2824

Tritanomaly

33.5978, 0.2428, 0.3048

Monochromacy



Original Color

33.4068, 0.2413, 0.2986

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1200, 0.2804, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4068, 0.2413, 0.2986 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(91, 167, 186)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 167, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 167, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.4068, 0.2413, 0.2986 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(91, 167, 186) }
```

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

```
.border{ border-color:rgb(91, 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(91, 167, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 167, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 167, 186); box-shadow:4px 4px 4px 4px rgb(91, 167, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4068, 0.2413, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 167, 186) }
```

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

```
.background{ background-color: rgb(91, 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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