

Converting Colors

$Y_{xy}(33.8097, 0.2435, 0.2959)$

Have a look what the booklet for
Yxy(33.8097, 0.2435, 0.2959)
contains.

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Color

Yxy(33.8097, 0.2435, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	61A7BC
RGB	97, 167, 188
RGB Percent	38%, 65%, 74%
CMY	0.6197, 0.3451, 0.2628
CMYK	0.48, 0.11, 0.00, 0.26
HSL	194°, 40%, 56%
HSV	194°, 48%, 74%
XYZ	27.8224, 33.8097, 52.6284
YIQ	148.4640, -48.4610, -8.3090

Conversions

Conversions Part 2

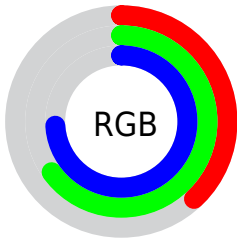
Format	Color
R _Y B	97, 137, 188
Decimal	6399932
CIE Lab	64.81, -16.34, -17.63
CIE LCh	65, 24.034, 227.178
Yxy	33.8097, 0.2435, 0.2959
Android (android.graphics.Color)	4284590012 (0xFF61A7BC)
YUV	148.4640, 19.4912, -45.1339
Hunter-Lab	58.1461, -16.3449, -12.9615

Details

The Yxy color **33.8097, 0.2435, 0.2959** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.4995, 0.4296, 0.3584**, and the grayscale version is **29.7488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5465, 0.2568, 0.3028**, and **14.4228, 0.2223, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **31.3367, 0.2321, 0.2878**, and if you desaturate by 10%, it is **36.5832, 0.2563, 0.3037**.

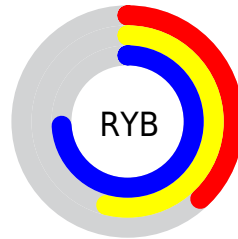
Distribution



Red (38%)

Green (65%)

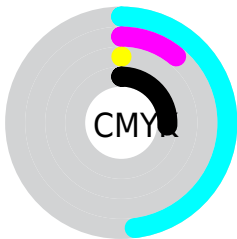
Blue (74%)



Red (38%)

Yellow (54%)

Blue (74%)

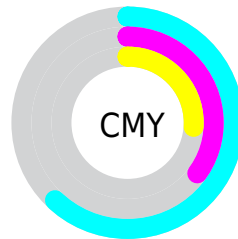


Cyan (48%)

Magenta (11%)

Yellow (0%)

Black (26%)



Cyan (62%)

Magenta (35%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8097, 0.2435, 0.2959 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 33.8097, 0.2435, 0.2959 by changing the saturation by 10% instead.

■ 33.8097, 0.2435,
0.2959

■ 33.8097, 0.2435,
0.2959

■ 319.2827, 0.2790,
0.3140

■ 22.7474, 0.2344,
0.2909

■ 65.6376, 0.2566,
0.3028

■ 14.4071, 0.2227,
0.2842

■ 87.1721, 0.2614,
0.3053

■ 8.4044, 0.2069,
0.2747

■ 112.9661, 0.2655,
0.3074

■ 4.3548, 0.1848,
0.2605

■ 143.4040, 0.2690,
0.3091

■ 1.8739, 0.1522,
0.2373

■ 178.8702, 0.2720,
0.3106

■ 0.5326, 0.0394,
0.1954

■ 219.7491, 0.2747,

■ 0.0000, 0.0000,

0.3119

0.0000

266.4252, 0.2770,
0.3130

■ 33.8097, 0.2435,
0.2959

■ 33.8097, 0.2435,
0.2959

■ 31.3367, 0.2321,
0.2878

■ 36.5832, 0.2563,
0.3037

■ 29.1422, 0.2223,
0.2794

■ 39.6695, 0.2702,
0.3110

■ 27.2070, 0.2144,
0.2709

■ 43.0851, 0.2848,
0.3179

■ 25.5074, 0.2084,
0.2625

■ 46.8439, 0.2999,
0.3242

■ 24.0048, 0.2042,
0.2541

■ 50.9588, 0.3151,
0.3299

■ 23.7751, 0.2035,
0.2527

■ 55.4422, 0.3303,
0.3350

■ 60.3057, 0.3452,
0.3396

■ 65.5605, 0.3596,
0.3437

■ 69.0371, 0.3647,
0.3478

Harmonies

Analogous

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



33.8097, 0.2549, 0.3291



33.8097, 0.2435, 0.2959



33.8097, 0.2491, 0.2745

Triad

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



33.8097, 0.2435, 0.2959



33.8097, 0.3425, 0.2964



33.8097, 0.3535, 0.3956

Complementary

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



33.8097, 0.2435, 0.2959



24.4995, 0.4296, 0.3584

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.



33.8097, 0.3795, 0.3815



33.8097, 0.2435, 0.2959



33.8097, 0.3735, 0.3245

Square

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



33.8097, 0.2435, 0.2959



33.8097, 0.3044, 0.2762



33.8097, 0.3872, 0.3551



33.8097, 0.3174, 0.3903

Rectangle

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



33.8097, 0.2435, 0.2959



33.8097, 0.2619, 0.2685



33.8097, 0.3872, 0.3551



33.8097, 0.3637, 0.3928

Sweetspot

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



33.8110, 0.2435, 0.2959



80.1861, 0.2896, 0.3199



39.7783, 0.2935, 0.4474



16.9430, 0.2864, 0.3186



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.



33.8110, 0.2435, 0.2959



56.5752, 0.2315, 0.2873



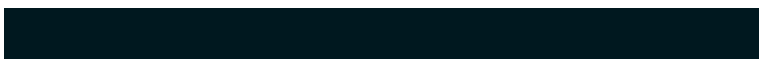
20.2783, 0.2296, 0.2211



10.4264, 0.2985, 0.3236



16.3066, 0.2038, 0.2538



0.7315, 0.2094, 0.2738

Inverse Universe

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



22.0257, 0.3434, 0.2365



33.7975, 0.3524, 0.2193



37.4641, 0.3985, 0.4165



9.6576, 0.3172, 0.3115



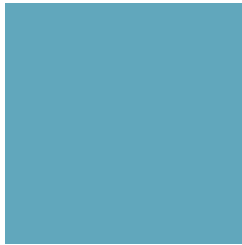
8.6759, 0.3885, 0.1914



0.3492, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 33.8097, 0.2435, 0.2959 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 33.8097, 0.2435, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

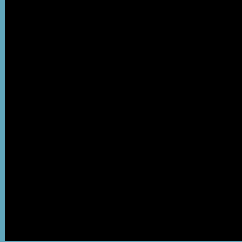
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8097, 0.2435, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 33.8097, 0.2435, 0.2959.



This preview shows how white text looks on a background with the Yxy color 33.8097, 0.2435, 0.2959.

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

33.8097, 0.2435, 0.2959

Protanopia

33.4134, 0.2881, 0.2925

Deuteranopia

33.4141, 0.2809, 0.2751



Tritanopia

33.8156, 0.2462, 0.3065

Trichromacy



Original Color

33.8097, 0.2435, 0.2959

Protanomaly

33.1207, 0.2692, 0.2927

Deuteranomaly

33.1580, 0.2648, 0.2814

Tritanomaly

33.9528, 0.2456, 0.3035

Monochromacy



Original Color

33.8097, 0.2435, 0.2959

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.7542, 0.2815, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8097, 0.2435, 0.2959 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(97, 167, 188)` looks like.

```
.text, #text, p{  
    color:rgb(97, 167, 188)  
}
```

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(97, 167, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 167, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.8097, 0.2435, 0.2959 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(97, 167, 188) }
```

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

```
.border{ border-color:rgb(97, 167, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 167, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 167, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 167, 188);  
box-shadow:4px 4px 4px 4px rgb(97, 167,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8097, 0.2435, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 167, 188) }
```

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

```
.background{ background-color: rgb(97, 167,  
188) }
```

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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