

Converting Colors

$Y_{xy}(30.7110, 0.2290, 0.3080)$

Have a look what the booklet for
Yxy(30.7110, 0.2290, 0.3080)
contains.

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Color

Yxy(30.8968, 0.2292, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	37A5B1
RGB	55, 165, 177
RGB Percent	22%, 65%, 69%
CMY	0.7840, 0.3530, 0.3059
CMYK	0.69, 0.07, 0.00, 0.31
HSL	186°, 53%, 46%
HSV	186°, 69%, 69%
XYZ	22.9697, 30.8968, 46.3502
YIQ	133.4780, -69.4120, -19.5880

Conversions

Conversions Part 2

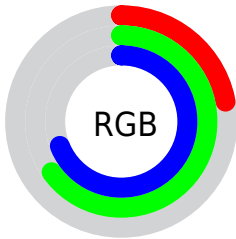
Format	Color
RYB	55, 113, 177
Decimal	3646897
CIELab	62.42, -26.58, -15.24
CIElCh	62, 30.639, 209.835
Yxy	30.8968, 0.2292, 0.3083
Android (android.graphics.Color)	4281836977 (0xFF37A5B1)
YUV	133.4780, 21.4563, -68.8252
Hunter-Lab	55.5849, -23.5110, -10.5303

Details

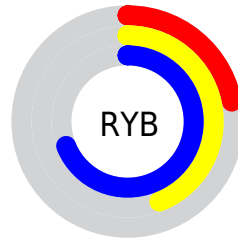
The Yxy color **30.8968, 0.2292, 0.3083** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6489, 0.5256, 0.3443**, and the grayscale version is **23.5861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9211, 0.2450, 0.3124**, and **13.2655, 0.2172, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **29.8592, 0.2232, 0.3049**, and if you desaturate by 10%, it is **32.1245, 0.2371, 0.3117**.

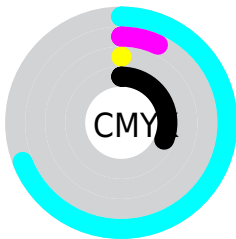
Distribution



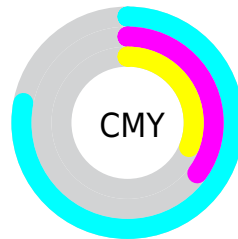
- Red (22%)
- Green (65%)
- Blue (69%)



- Red (22%)
- Yellow (44%)
- Blue (69%)



- Cyan (69%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)




- Cyan (78%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8968, 0.2292, 0.3083 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 30.8968, 0.2292, 0.3083 by changing the saturation by 10% instead.

 30.8968, 0.2292,
0.3083


 30.8968, 0.2292,
0.3083


306.0626, 0.2724,
0.3206

 20.5203, 0.2180,
0.3045


 61.0776, 0.2452,
0.3133


 12.7738, 0.2035,
0.2992


 81.6506, 0.2511,
0.3150


 7.2730, 0.1840,
0.2913


 106.3912, 0.2561,
0.3164

 3.6334, 0.1567,
0.2786

 135.6839, 0.2604,
0.3175

 1.4707, 0.1147,
0.2563

 169.9130, 0.2640,
0.3185

 0.2680, 0.0000,
0.1594

209.4628, 0.2672,

 0.0000, 0.0000,

0.3193

0.0000

254.7179, 0.2700,
0.3200

■ 30.8968, 0.2292,
0.3083

■ 30.8968, 0.2292,
0.3083

■ 29.8592, 0.2232,
0.3049

■ 32.1245, 0.2371,
0.3117

■ 28.9882, 0.2190,
0.3016

■ 33.5563, 0.2468,
0.3150

■ 28.2480, 0.2164,
0.2983

■ 35.2084, 0.2581,
0.3182

■ 28.1680, 0.2161,
0.2979

■ 37.0946, 0.2708,
0.3212

■ 39.2275, 0.2846,
0.3241

■ 41.6187, 0.2993,
0.3268

■ 44.2793, 0.3144,
0.3293

■ 47.2193, 0.3299,
0.3315

■ 50.4486, 0.3453,
0.3335

Harmonies

Analogous

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



30.8968, 0.2551, 0.3570



30.8968, 0.2292, 0.3083



30.8968, 0.2240, 0.2711

Triad

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



30.8968, 0.2292, 0.3083



30.8968, 0.3224, 0.2705



30.8968, 0.3875, 0.4073

Complementary

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



30.8968, 0.2292, 0.3083



13.6489, 0.5256, 0.3443

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.



30.8968, 0.4096, 0.3770



30.8968, 0.2292, 0.3083



30.8968, 0.3710, 0.3008

Square

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



30.8968, 0.2292, 0.3083



30.8968, 0.2746, 0.2531



30.8968, 0.4039, 0.3386



30.8968, 0.3459, 0.4180

Rectangle

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



30.8968, 0.2292, 0.3083



30.8968, 0.2323, 0.2566



30.8968, 0.4039, 0.3386



30.8968, 0.3975, 0.3988

Sweetspot

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



30.8979, 0.2292, 0.3083



69.2629, 0.2811, 0.3234



32.6452, 0.2980, 0.5327



14.7852, 0.2774, 0.3227



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.8979, 0.2292, 0.3083



52.5757, 0.2207, 0.3031



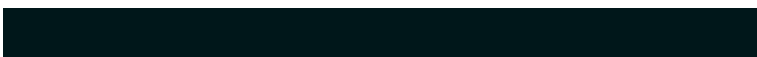
14.2724, 0.2021, 0.1968



9.4856, 0.2986, 0.3267



20.4570, 0.2162, 0.2983



0.6847, 0.2188, 0.3075

Inverse Universe

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



14.8039, 0.3364, 0.1894



22.8825, 0.3421, 0.1743



24.5977, 0.4545, 0.4249



8.6320, 0.3152, 0.3087



8.6053, 0.3470, 0.1685



0.2749, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 30.8968, 0.2292, 0.3083 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 30.8968, 0.2292, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

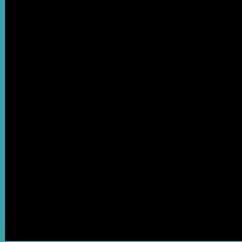
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8968, 0.2292, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 30.8968, 0.2292, 0.3083.



This preview shows how white text looks on a background with the Yxy color 30.8968, 0.2292, 0.3083.

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

30.8968, 0.2292, 0.3083

Protanopia

30.5440, 0.2961, 0.3031

Deuteranopia

30.5932, 0.2840, 0.2788



Tritanopia

30.9654, 0.2290, 0.3067

Trichromacy



Original Color

30.8968, 0.2292, 0.3083

Protanomaly

29.9224, 0.2637, 0.3045

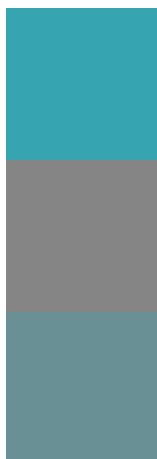
Deuteranomaly

30.0513, 0.2571, 0.2876

Tritanomaly

30.9654, 0.2290, 0.3067

Monochromacy



Original Color

30.8968, 0.2292, 0.3083

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.4240, 0.2705, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8968, 0.2292, 0.3083 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(55, 165, 177)` looks like.

```
.text, #text, p{  
  color:rgb(55, 165, 177)  
}
```

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(55, 165, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 165, 177) }
```

Border

The CSS property to change the border of an element to Yxy 30.8968, 0.2292, 0.3083 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(55, 165, 177) }
```

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

```
.border{ border-color:rgb(55, 165, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 165, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 165, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 165, 177); box-shadow:4px 4px 4px 4px rgb(55, 165, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8968, 0.2292, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 165, 177) }
```

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

```
.background{ background-color: rgb(55, 165,  
177) }
```

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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