

Converting Colors

$Y_{xy}(33.7182, 0.2313, 0.2923)$

Have a look what the booklet for
Yxy(33.7182, 0.2313, 0.2923)
contains.

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Color

Yxy(33.7182, 0.2313, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	4CA9C0
RGB	76, 169, 192
RGB Percent	30%, 66%, 75%
CMY	0.7019, 0.3372, 0.2472
CMYK	0.60, 0.12, 0.00, 0.25
HSL	192°, 48%, 53%
HSV	192°, 60%, 75%
XYZ	26.6816, 33.7182, 54.9550
YIQ	143.8150, -62.8110, -12.5630

Conversions

Conversions Part 2

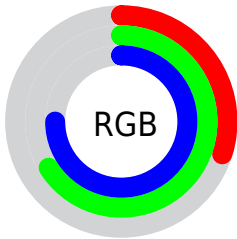
Format	Color
RYB	76, 128, 192
Decimal	5024192
CIELab	64.74, -20.62, -20.03
CIELCh	65, 28.752, 224.169
Yxy	33.7182, 0.2313, 0.2923
Android (android.graphics.Color)	4283214272 (0xFF4CA9C0)
YUV	143.8150, 23.7552, -59.4738
Hunter-Lab	58.0674, -19.5984, -15.4649

Details

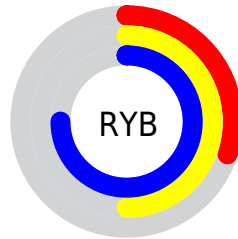
The Yxy color **33.7182, 0.2313, 0.2923** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **20.6478, 0.4780, 0.3589**, and the grayscale version is **27.7359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2395, 0.2465, 0.3001**, and **14.5576, 0.2114, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **31.6521, 0.2224, 0.2852**, and if you desaturate by 10%, it is **36.0625, 0.2420, 0.2993**.

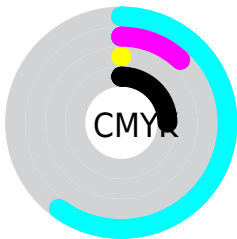
Distribution



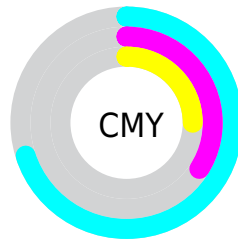
- Red (30%)
- Green (66%)
- Blue (75%)



- Red (30%)
- Yellow (50%)
- Blue (75%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)





- Cyan (70%)
- Magenta (34%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7182, 0.2313, 0.2923 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 33.7182, 0.2313, 0.2923 by changing the saturation by 10% instead.


 33.7182, 0.2313,
0.2923


 33.7182, 0.2313,
0.2923


318.8737, 0.2728,
0.3126


 22.6772, 0.2208,
0.2866


 65.4952, 0.2465,
0.3001


 14.3553, 0.2073,
0.2790


 87.0000, 0.2522,
0.3029

 8.3682, 0.1894,
0.2683


 112.7615, 0.2570,
0.3052

 4.3315, 0.1648,
0.2522

 143.1641, 0.2611,
0.3072

 1.8606, 0.1294,
0.2262

178.5923, 0.2646,
0.3088

 0.5246, 0.0000,
0.1816

219.4303, 0.2677,

 0.0000, 0.0000,

0.3102

0.0000

266.0627, 0.2704,
0.3115

■ 33.7182, 0.2313,
0.2923

■ 33.7182, 0.2313,
0.2923

■ 31.6521, 0.2224,
0.2852

■ 36.0625, 0.2420,
0.2993

■ 29.8386, 0.2153,
0.2780

■ 38.7006, 0.2542,
0.3060

■ 28.2531, 0.2102,
0.2708

■ 41.6510, 0.2676,
0.3123

■ 26.8970, 0.2067,
0.2640

■ 44.9296, 0.2819,
0.3183

■ 48.5511, 0.2969,
0.3238

■ 52.5292, 0.3121,
0.3288

■ 56.8769, 0.3274,
0.3333

■ 61.6062, 0.3425,
0.3374

■ 66.7289, 0.3573,
0.3410

Harmonies

Analogous

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



33.7182, 0.2464, 0.3331



33.7182, 0.2313, 0.2923



33.7182, 0.2359, 0.2657

Triad

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



33.7182, 0.2313, 0.2923



33.7182, 0.3437, 0.2874



33.7182, 0.3647, 0.4080

Complementary

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



33.7182, 0.2313, 0.2923



20.6478, 0.4780, 0.3589

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.



33.7182, 0.3944, 0.3881



33.7182, 0.2313, 0.2923



33.7182, 0.3827, 0.3195

Square

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



33.7182, 0.2313, 0.2923



33.7182, 0.2980, 0.2651



33.7182, 0.4016, 0.3555



33.7182, 0.3223, 0.4051

Rectangle

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



33.7182, 0.2313, 0.2923



33.7182, 0.2496, 0.2579



33.7182, 0.4016, 0.3555



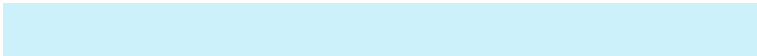
33.7182, 0.3766, 0.4035

Sweetspot

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



33.7195, 0.2313, 0.2923



82.7674, 0.2851, 0.3195



40.0934, 0.2929, 0.4893



17.3602, 0.2807, 0.3178



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.7195, 0.2313, 0.2923



56.4197, 0.2202, 0.2832



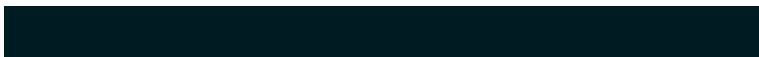
17.0949, 0.2096, 0.1950



11.0784, 0.2984, 0.3243



18.2153, 0.2069, 0.2649



0.8755, 0.2113, 0.2807

Inverse Universe

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



19.2401, 0.3486, 0.2130



29.5505, 0.3584, 0.1971



35.2533, 0.4251, 0.4306



10.2122, 0.3167, 0.3107



9.1211, 0.3777, 0.1854



0.4030, 0.3628, 0.1772

Previews

White Background



This preview shows how the Yxy color 33.7182, 0.2313, 0.2923 looks on a white background.

Color Contrast Check

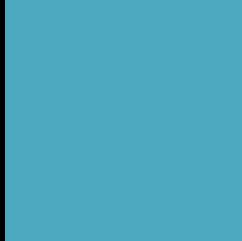
Large Text (above 18pt) WCAG AA × Fail

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 33.7182, 0.2313, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

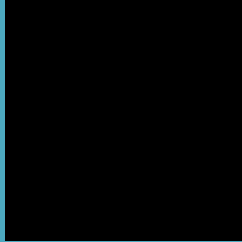
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7182, 0.2313, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 33.7182, 0.2313, 0.2923.

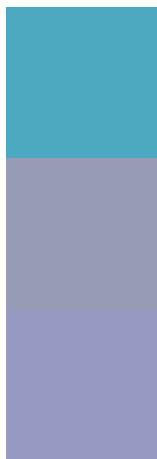


This preview shows how white text looks on a background with the Yxy color 33.7182, 0.2313, 0.2923.

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

33.7182, 0.2313, 0.2923

Protanopia

33.3994, 0.2856, 0.2897

Deuteranopia

33.3019, 0.2752, 0.2695



Tritanopia

33.6266, 0.2346, 0.3060

Trichromacy



Original Color

33.7182, 0.2313, 0.2923

Protanomaly

32.9719, 0.2610, 0.2893

Deuteranomaly

32.9764, 0.2554, 0.2766

Tritanomaly

33.7932, 0.2334, 0.3014

Monochromacy



Original Color

33.7182, 0.2313, 0.2923

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.2776, 0.2742, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7182, 0.2313, 0.2923 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(76, 169, 192)` looks like.

```
.text, #text, p{  
    color:rgb(76, 169, 192)  
}
```

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(76, 169, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 169, 192) }
```

Border

The CSS property to change the border of an element to Yxy 33.7182, 0.2313, 0.2923 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(76, 169, 192) }
```

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

```
.border{ border-color:rgb(76, 169, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 169, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 169, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 169, 192);  
box-shadow:4px 4px 4px 4px rgb(76, 169,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7182, 0.2313, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 169, 192) }
```

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

```
.background{ background-color: rgb(76, 169,  
192) }
```

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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