

Converting Colors

$Y_{xy}(33.1042, 0.2216, 0.2881)$

Have a look what the booklet for
Yxy(33.1042, 0.2216, 0.2881)
contains.

Yxy(33.0279, 0.2218, 0.2885)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0279, 0.2218, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	35A9C2
RGB	53, 169, 194
RGB Percent	21%, 66%, 76%
CMY	0.7921, 0.3372, 0.2393
CMYK	0.73, 0.13, 0.00, 0.24
HSL	191°, 57%, 48%
HSV	191°, 73%, 76%
XYZ	25.3920, 33.0279, 56.0616
YIQ	137.1660, -77.1610, -16.8170

Conversions

Conversions Part 2

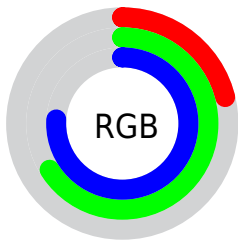
Format	Color
RYB	53, 117, 194
Decimal	3516866
CIELab	64.18, -23.59, -22.05
CIELCh	64, 32.295, 223.066
Yxy	33.0279, 0.2218, 0.2885
Android (android.graphics.Color)	4281706946 (0xFF35A9C2)
YUV	137.1660, 28.0192, -73.8136
Hunter-Lab	57.4699, -21.7055, -17.6081

Details

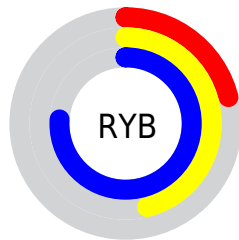
The Yxy color **33.0279, 0.2218, 0.2885** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **17.1710, 0.5322, 0.3569**, and the grayscale version is **24.9983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1983, 0.2383, 0.2961**, and **14.6160, 0.2103, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **31.3434, 0.2155, 0.2821**, and if you desaturate by 10%, it is **34.9611, 0.2300, 0.2948**.

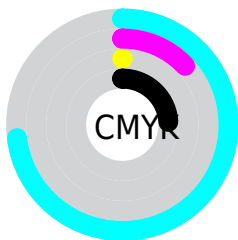
Distribution



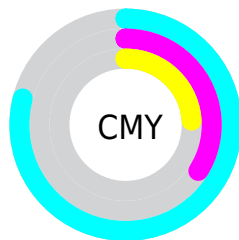
- Red (21%)
- Green (66%)
- Blue (76%)



- Red (21%)
- Yellow (46%)
- Blue (76%)



- Cyan (73%)
- Magenta (13%)
- Yellow (0%)
- Black (24%)




- Cyan (79%)
- Magenta (34%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0279, 0.2218, 0.2885 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 33.0279, 0.2218, 0.2885 by changing the saturation by 10% instead.


 33.0279, 0.2218,
0.2885


 33.0279, 0.2218,
0.2885


315.7754, 0.2680,
0.3111

 22.1478, 0.2102,
0.2822


 64.4191, 0.2387,
0.2972

 13.9656, 0.1953,
0.2736


 85.6990, 0.2450,
0.3003

 8.0967, 0.1758,
0.2615

 111.2143, 0.2503,
0.3029

 4.1569, 0.1491,
0.2435

 141.3493, 0.2549,
0.3051

 1.7617, 0.1118,
0.2144

 176.4886, 0.2589,
0.3069

 0.4631, 0.0000,
0.1563

217.0164, 0.2623,

 0.0000, 0.0000,

0.3085

0.0000

263.3173, 0.2653,
0.3099

■ 33.0279, 0.2218,
0.2885

■ 33.0279, 0.2218,
0.2885

■ 31.3434, 0.2155,
0.2821

■ 34.9611, 0.2300,
0.2948

■ 29.8763, 0.2111,
0.2758

■ 37.1625, 0.2401,
0.3011

■ 28.9013, 0.2087,
0.2712

■ 39.6536, 0.2517,
0.3071

■ 42.4524, 0.2647,
0.3128

■ 45.5755, 0.2787,
0.3182

■ 49.0380, 0.2935,
0.3233

■ 52.8542, 0.3086,
0.3278

■ 57.0374, 0.3240,
0.3320

■ 61.6000, 0.3392,
0.3357

Harmonies

Analogous

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



33.0279, 0.2392, 0.3351



33.0279, 0.2218, 0.2885



33.0279, 0.2261, 0.2585

Triad

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



33.0279, 0.2218, 0.2885



33.0279, 0.3456, 0.2813



33.0279, 0.3725, 0.4178

Complementary

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



33.0279, 0.2218, 0.2885



17.1710, 0.5322, 0.3569

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.



33.0279, 0.4056, 0.3937



33.0279, 0.2218, 0.2885



33.0279, 0.3907, 0.3165

Square

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



33.0279, 0.2218, 0.2885



33.0279, 0.2941, 0.2570



33.0279, 0.4131, 0.3565



33.0279, 0.3248, 0.4165

Rectangle

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



33.0279, 0.2218, 0.2885



33.0279, 0.2408, 0.2496



33.0279, 0.4131, 0.3565



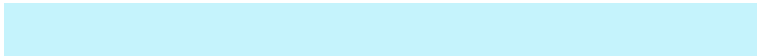
33.0279, 0.3858, 0.4120

Sweetspot

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



33.0291, 0.2218, 0.2885



82.7835, 0.2792, 0.3184



39.8597, 0.2928, 0.5286



17.7713, 0.2752, 0.3170



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.0291, 0.2218, 0.2885



55.2377, 0.2127, 0.2785



13.7666, 0.1913, 0.1671



11.1150, 0.2984, 0.3248



19.1147, 0.2089, 0.2720



0.9073, 0.2128, 0.2861

Inverse Universe

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



16.8790, 0.3537, 0.1946



26.6888, 0.3643, 0.1837



32.5881, 0.4514, 0.4415



10.2159, 0.3164, 0.3103



9.2119, 0.3709, 0.1817



0.4062, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 33.0279, 0.2218, 0.2885 looks on a white background.

Color Contrast Check

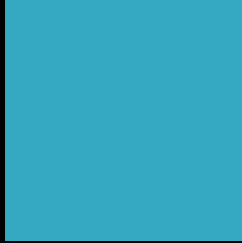
Large Text (above 18pt) WCAG AA × Fail

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 33.0279, 0.2218, 0.2885 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 33.0279, 0.2218, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 33.0279, 0.2218, 0.2885.



This preview shows how white text looks on a background with the Yxy color 33.0279, 0.2218, 0.2885.

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

33.0279, 0.2218, 0.2885

Protanopia

32.4973, 0.2820, 0.2850

Deuteranopia

32.7367, 0.2694, 0.2636



Tritanopia

33.1674, 0.2254, 0.3072

Trichromacy



Original Color

33.0279, 0.2218, 0.2885

Protanomaly

31.8948, 0.2521, 0.2854

Deuteranomaly

31.9956, 0.2455, 0.2698

Tritanomaly

33.0333, 0.2239, 0.2992

Monochromacy



Original Color

33.0279, 0.2218, 0.2885

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.0277, 0.2651, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0279, 0.2218, 0.2885 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(53, 169, 194)` looks like.

```
.text, #text, p{  
    color:rgb(53, 169, 194)  
}
```

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(53, 169, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 169, 194) }
```

Border

The CSS property to change the border of an element to Yxy 33.0279, 0.2218, 0.2885 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(53, 169, 194) }
```

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

```
.border{ border-color:rgb(53, 169, 194) }
```

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

Here you see how a box with a 4 pixel rgb(53, 169, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 169, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 169, 194);  
box-shadow:4px 4px 4px 4px rgb(53, 169,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0279, 0.2218, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 169, 194) }
```

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

```
.background{ background-color: rgb(53, 169,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor