

Converting Colors

$Y_{xy}(33.0149, 0.2234, 0.2841)$

Have a look what the booklet for
Yxy(33.0149, 0.2234, 0.2841)
contains.

Yxy(33.0149, 0.2234, 0.2841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.0149, 0.2234, 0.2841)

Conversions

Conversions Part 1

Format	Color
Hex	3EA8C4
RGB	62, 168, 196
RGB Percent	24%, 66%, 77%
CMY	0.7562, 0.3412, 0.2313
CMYK	0.68, 0.14, 0.00, 0.23
HSL	193°, 53%, 51%
HSV	193°, 68%, 77%
XYZ	25.9610, 33.0149, 57.2328
YIQ	139.4980, -72.1640, -13.7640

Conversions

Conversions Part 2

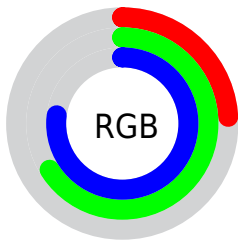
Format	Color
RYB	62, 121, 196
Decimal	4106436
CIELab	64.17, -21.16, -23.18
CIElCh	64, 31.385, 227.606
Yxy	33.0149, 0.2234, 0.2841
Android (android.graphics.Color)	4282296516 (0xFF3EA8C4)
YUV	139.4980, 27.8555, -67.9657
Hunter-Lab	57.4586, -19.9024, -18.8360

Details

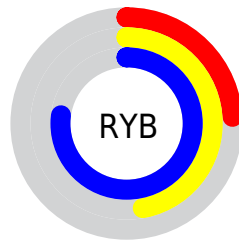
The Yxy color **33.0149, 0.2234, 0.2841** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.4303, 0.5092, 0.3623**, and the grayscale version is **25.9495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2272, 0.2397, 0.2928**, and **14.4438, 0.2085, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **30.9996, 0.2158, 0.2765**, and if you desaturate by 10%, it is **35.3090, 0.2329, 0.2917**.

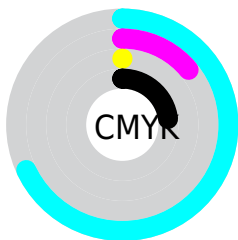
Distribution



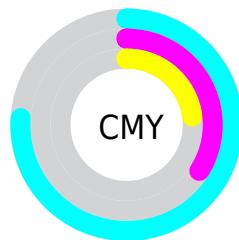
- Red (24%)
- Green (66%)
- Blue (77%)



- Red (24%)
- Yellow (47%)
- Blue (77%)



- Cyan (68%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)



- Cyan (76%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0149, 0.2234, 0.2841 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 33.0149, 0.2234, 0.2841 by changing the saturation by 10% instead.

33.0149, 0.2234,
0.2841

33.0149, 0.2234,
0.2841

315.7169, 0.2688,
0.3088

22.1379, 0.2120,
0.2773

64.3988, 0.2400,
0.2936

13.9582, 0.1974,
0.2681

85.6744, 0.2462,
0.2970

8.0916, 0.1781,
0.2553

111.1851, 0.2515,
0.2998

4.1536, 0.1519,
0.2363

141.3151, 0.2559,
0.3022

1.7599, 0.1151,
0.2063

176.4489, 0.2598,
0.3042

0.4620, 0.0000,
0.1484

216.9708, 0.2632,

0.0000, 0.0000,

0.3060

0.0000

263.2654, 0.2662,
0.3075

■ 33.0149, 0.2234,
0.2841

■ 33.0149, 0.2234,
0.2841

■ 30.9996, 0.2158,
0.2765

■ 35.3090, 0.2329,
0.2917

■ 29.2332, 0.2101,
0.2688

■ 37.9009, 0.2441,
0.2990

■ 27.6763, 0.2062,
0.2613

■ 40.8116, 0.2567,
0.3061

■ 27.4195, 0.2056,
0.2600

■ 44.0590, 0.2704,
0.3127

■ 47.6597, 0.2850,
0.3189

■ 51.6288, 0.3001,
0.3247

■ 55.9808, 0.3153,
0.3299

■ 60.7291, 0.3306,
0.3345

■ 65.8864, 0.3456,
0.3387

Harmonies

Analogous

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



33.0149, 0.2372, 0.3275



33.0149, 0.2234, 0.2841



33.0149, 0.2308, 0.2576

Triad

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



33.0149, 0.2234, 0.2841



33.0149, 0.3522, 0.2872



33.0149, 0.3646, 0.4170

Complementary

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



33.0149, 0.2234, 0.2841



19.4303, 0.5092, 0.3623

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.



33.0149, 0.3996, 0.3968



33.0149, 0.2234, 0.2841



33.0149, 0.3935, 0.3227

Square

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



33.0149, 0.2234, 0.2841



33.0149, 0.3020, 0.2615



33.0149, 0.4110, 0.3618



33.0149, 0.3172, 0.4110

Rectangle

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



33.0149, 0.2234, 0.2841



33.0149, 0.2471, 0.2508



33.0149, 0.4110, 0.3618



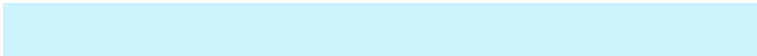
33.0149, 0.3782, 0.4127

Sweetspot

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



33.0161, 0.2234, 0.2841



84.9533, 0.2820, 0.3177



41.2331, 0.2909, 0.5095



17.7788, 0.2778, 0.3160



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.



33.0161, 0.2234, 0.2841



54.4985, 0.2127, 0.2726



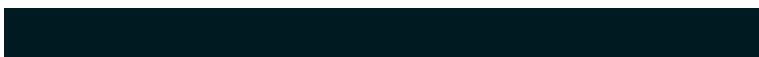
14.5809, 0.1959, 0.1706



11.0588, 0.2984, 0.3241



17.7441, 0.2058, 0.2610



0.8588, 0.2105, 0.2778

Inverse Universe

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



18.0269, 0.3569, 0.2038



27.9206, 0.3693, 0.1909



35.8149, 0.4386, 0.4425



10.2102, 0.3169, 0.3110



9.0735, 0.3814, 0.1875



0.4013, 0.3655, 0.1787

Previews

White Background



This preview shows how the Yxy color 33.0149, 0.2234, 0.2841 looks on a white background.

Color Contrast Check

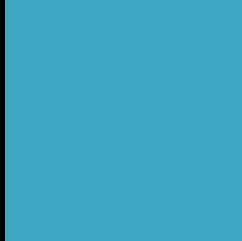
Large Text (above 18pt) WCAG AA × Fail

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 33.0149, 0.2234, 0.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

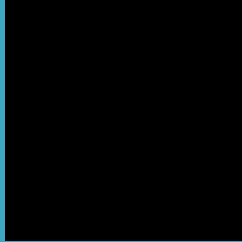
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0149, 0.2234, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 33.0149, 0.2234, 0.2841.

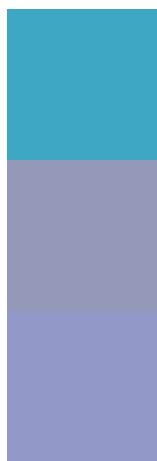


This preview shows how white text looks on a background with the Yxy color 33.0149, 0.2234, 0.2841.

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

33.0149, 0.2234, 0.2841

Protanopia

32.6235, 0.2796, 0.2809

Deuteranopia

32.7376, 0.2671, 0.2610



Tritanopia

33.0224, 0.2277, 0.3056

Trichromacy



Original Color

33.0149, 0.2234, 0.2841

Protanomaly

31.9533, 0.2528, 0.2799

Deuteranomaly

32.2902, 0.2463, 0.2675

Tritanomaly

32.9063, 0.2263, 0.2977

Monochromacy



Original Color

33.0149, 0.2234, 0.2841

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.7955, 0.2686, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0149, 0.2234, 0.2841 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(62, 168, 196)` looks like.

```
.text, #text, p{  
    color:rgb(62, 168, 196)  
}
```

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(62, 168, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 168, 196) }
```

Border

The CSS property to change the border of an element to Yxy 33.0149, 0.2234, 0.2841 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(62, 168, 196) }
```

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

```
.border{ border-color:rgb(62, 168, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 168, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 168, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 168, 196);  
box-shadow:4px 4px 4px 4px rgb(62, 168,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0149, 0.2234, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 168, 196) }
```

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

```
.background{ background-color: rgb(62, 168,  
196) }
```

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