

Converting Colors

$Y_{xy}(33.5055, 0.2132, 0.2858)$

Have a look what the booklet for
Yxy(33.5055, 0.2132, 0.2858)
contains.

Yxy(33.6274, 0.2135, 0.2868)	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(33.6274, 0.2135, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	07ACC6
RGB	7, 172, 198
RGB Percent	3%, 67%, 78%
CMY	0.9720, 0.3255, 0.2236
CMYK	0.96, 0.13, 0.00, 0.22
HSL	188°, 93%, 40%
HSV	188°, 96%, 78%
XYZ	25.0329, 33.6274, 58.5900
YIQ	125.6290, -106.6860, -26.8940

Conversions

Conversions Part 2

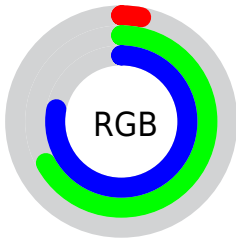
Format	Color
RYB	7, 96, 198
Decimal	502982
CIELab	64.67, -27.20, -23.60
CIELCh	65, 36.006, 220.943
Yxy	33.6274, 0.2135, 0.2868
Android (android.graphics.Color)	4278693062 (0xFF07ACC6)
YUV	125.6290, 35.6789, -104.0376
Hunter-Lab	57.9891, -24.4255, -19.3119

Details

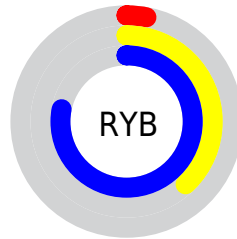
The Yxy color **33.6274, 0.2135, 0.2868** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **13.1147, 0.6206, 0.3409**, and the grayscale version is **20.6506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5316, 0.2316, 0.2960**, and **15.2073, 0.2094, 0.2738** is the 20% darker color. If you saturate the color by 10%, you get **33.2137, 0.2125, 0.2851**, and if you desaturate by 10%, it is **34.8514, 0.2168, 0.2915**.

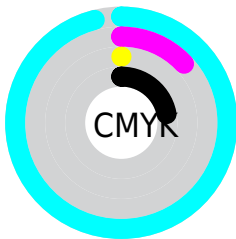
Distribution



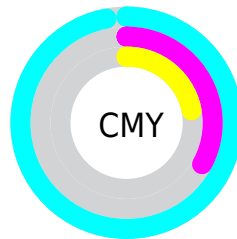
- Red (3%)
- Green (67%)
- Blue (78%)



- Red (3%)
- Yellow (38%)
- Blue (78%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (97%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6274, 0.2135, 0.2868 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 33.6274, 0.2135, 0.2868 by changing the saturation by 10% instead.


 33.6274, 0.2135,
0.2868


 33.6274, 0.2135,
0.2868


318.4674, 0.2635,
0.3104

 22.6075, 0.2011,
0.2801


 65.3538, 0.2317,
0.2960


 14.3040, 0.1854,
0.2711


 86.8291, 0.2385,
0.2992


 8.3324, 0.1649,
0.2585


 112.5584, 0.2443,
0.3019

 4.3084, 0.1374,
0.2397

 142.9260, 0.2492,
0.3042

 1.8475, 0.0998,
0.2096

 178.3163, 0.2535,
0.3061

 0.5165, 0.0000,
0.1545

219.1137, 0.2573,

 0.0000, 0.0000,

0.3078

0.0000

265.7026, 0.2606,
0.3092

■ 33.6274, 0.2135,
0.2868

■ 33.6274, 0.2135,
0.2868

■ 33.2137, 0.2125,
0.2851

■ 34.8514, 0.2168,
0.2915

■ 36.2750, 0.2218,
0.2963

■ 37.9325, 0.2287,
0.3011

■ 39.8498, 0.2376,
0.3059

■ 42.0490, 0.2481,
0.3105

■ 44.5497, 0.2602,
0.3150

■ 47.3697, 0.2736,
0.3192

■ 50.5254, 0.2879,
0.3232

■ 54.0319, 0.3029,
0.3268

Harmonies

Analogous

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



33.6274, 0.2339, 0.3394



33.6274, 0.2135, 0.2868



33.6274, 0.2167, 0.2527

Triad

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



33.6274, 0.2135, 0.2868



33.6274, 0.3449, 0.2742



33.6274, 0.3815, 0.4260

Complementary

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



33.6274, 0.2135, 0.2868



13.1147, 0.6206, 0.3409

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.



33.6274, 0.4168, 0.3969



33.6274, 0.2135, 0.2868



33.6274, 0.3963, 0.3118

Square

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



33.6274, 0.2135, 0.2868



33.6274, 0.2880, 0.2489



33.6274, 0.4233, 0.3553



33.6274, 0.3295, 0.4280

Rectangle

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



33.6274, 0.2135, 0.2868



33.6274, 0.2315, 0.2423



33.6274, 0.4233, 0.3553



33.6274, 0.3958, 0.4186

Sweetspot

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



33.6286, 0.2135, 0.2868



82.3126, 0.2694, 0.3180



40.5366, 0.2968, 0.5855



17.1566, 0.2636, 0.3161



0.0000, 0.0000, 0.0000



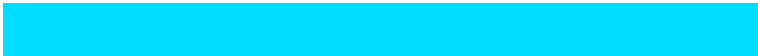
21.4041, 0.3127, 0.3290

Same Dimension

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



33.6286, 0.2135, 0.2868



58.5524, 0.2123, 0.2844



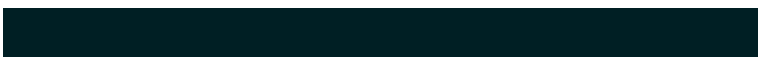
9.4472, 0.1682, 0.1228



11.8117, 0.2984, 0.3258



21.6947, 0.2127, 0.2857



1.0971, 0.2155, 0.2956

Inverse Universe

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



15.1379, 0.3571, 0.1755



26.4420, 0.3594, 0.1754



27.4612, 0.4977, 0.4403



10.7908, 0.3158, 0.3093



9.7301, 0.3582, 0.1747



0.4678, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 33.6274, 0.2135, 0.2868 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 33.6274, 0.2135, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

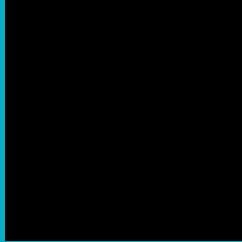
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6274, 0.2135, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 33.6274, 0.2135, 0.2868.



This preview shows how white text looks on a background with the Yxy color 33.6274, 0.2135, 0.2868.

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

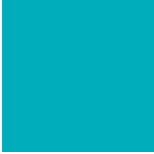
33.6274, 0.2135, 0.2868

Protanopia

33.0459, 0.2805, 0.2825

Deuteranopia

33.1577, 0.2658, 0.2600



Tritanopia

33.4750, 0.2182, 0.3054

Trichromacy



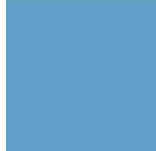
Original Color

33.6274, 0.2135, 0.2868



Protanomaly

31.7488, 0.2405, 0.2831



Deuteranomaly

31.8455, 0.2334, 0.2660



Tritanomaly

33.6681, 0.2166, 0.2991

Monochromacy



Original Color

33.6274, 0.2135, 0.2868



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.7509, 0.2504, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6274, 0.2135, 0.2868 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(7, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(7, 172, 198)  
}
```

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(7, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 172, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.6274, 0.2135, 0.2868 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(7, 172, 198) }
```

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

```
.border{ border-color:rgb(7, 172, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(7, 172,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6274, 0.2135, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 172, 198) }
```

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

```
.background{ background-color: rgb(7, 172,  
198) }
```

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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