

Converting Colors

$Y_{xy}(33.4659, 0.2143, 0.2857)$

Have a look what the booklet for
Yxy(33.4659, 0.2143, 0.2857)
contains.

Yxy(33.3518, 0.2142, 0.2852)	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(33.3518, 0.2142, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	14ABC6
RGB	20, 171, 198
RGB Percent	8%, 67%, 78%
CMY	0.9202, 0.3294, 0.2235
CMYK	0.90, 0.14, 0.00, 0.22
HSL	189°, 81%, 43%
HSV	189°, 90%, 78%
XYZ	25.0489, 33.3518, 58.5411
YIQ	128.9290, -98.6630, -23.6150

Conversions

Conversions Part 2

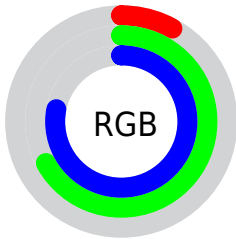
Format	Color
RYB	20, 102, 198
Decimal	1354694
CIELab	64.44, -26.18, -23.93
CIElCh	64, 35.467, 222.434
Yxy	33.3518, 0.2142, 0.2852
Android (android.graphics.Color)	4279544774 (0xFF14ABC6)
YUV	128.9290, 34.0520, -95.5307
Hunter-Lab	57.7510, -23.6417, -19.6754

Details

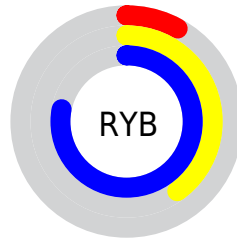
The Yxy color **33.3518, 0.2142, 0.2852** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.1180, 0.6010, 0.3470**, and the grayscale version is **21.8677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1614, 0.2323, 0.2949**, and **14.9705, 0.2087, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **32.0801, 0.2111, 0.2799**, and if you desaturate by 10%, it is **34.8045, 0.2188, 0.2906**.

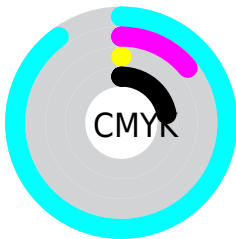
Distribution



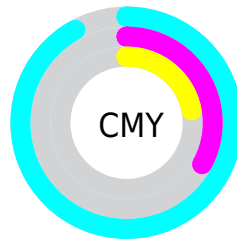
- Red (8%)
- Green (67%)
- Blue (78%)



- Red (8%)
- Yellow (40%)
- Blue (78%)



- Cyan (90%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)





- Cyan (92%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3518, 0.2142, 0.2852 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 33.3518, 0.2142, 0.2852 by changing the saturation by 10% instead.

 33.3518, 0.2142,
0.2852


 33.3518, 0.2142,
0.2852


317.2320, 0.2640,
0.3096


 22.3961, 0.2019,
0.2783


 64.9244, 0.2323,
0.2947


 14.1482, 0.1862,
0.2691


 86.3100, 0.2391,
0.2980

 8.2238, 0.1657,
0.2561

 111.9411, 0.2448,
0.3008

 4.2385, 0.1382,
0.2369

 142.2021, 0.2498,
0.3032

 1.8079, 0.1006,
0.2063

 177.4772, 0.2540,
0.3052

 0.4921, 0.0000,
0.1485

218.1510, 0.2577,

 0.0000, 0.0000,

0.3069

0.0000

264.6078, 0.2610,
0.3083

■ 33.3518, 0.2142,
0.2852

■ 33.3518, 0.2142,
0.2852

■ 32.0801, 0.2111,
0.2799

■ 34.8045, 0.2188,
0.2906

■ 32.0461, 0.2110,
0.2797

■ 36.4854, 0.2253,
0.2960

■ 38.4230, 0.2338,
0.3014

■ 40.6406, 0.2440,
0.3066

■ 43.1587, 0.2558,
0.3117

■ 45.9955, 0.2689,
0.3165

■ 49.1680, 0.2830,
0.3211

■ 52.6917, 0.2979,
0.3253

■ 56.5812, 0.3131,
0.3291

Harmonies

Analogous

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



33.3518, 0.2332, 0.3365



33.3518, 0.2142, 0.2852



33.3518, 0.2185, 0.2525

Triad

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



33.3518, 0.2142, 0.2852



33.3518, 0.3474, 0.2764



33.3518, 0.3785, 0.4257

Complementary

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



33.3518, 0.2142, 0.2852



14.1180, 0.6010, 0.3470

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.



33.3518, 0.4145, 0.3981



33.3518, 0.2142, 0.2852



33.3518, 0.3973, 0.3141

Square

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



33.3518, 0.2142, 0.2852



33.3518, 0.2910, 0.2506



33.3518, 0.4224, 0.3572



33.3518, 0.3266, 0.4258

Rectangle

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



33.3518, 0.2142, 0.2852



33.3518, 0.2339, 0.2429



33.3518, 0.4224, 0.3572



33.3518, 0.3929, 0.4188

Sweetspot

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



33.3530, 0.2142, 0.2852



82.7016, 0.2721, 0.3176



40.7444, 0.2950, 0.5723



17.3046, 0.2673, 0.3160



0.0000, 0.0000, 0.0000



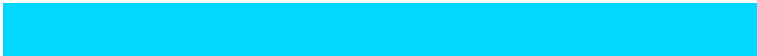
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3530, 0.2142, 0.2852



56.4549, 0.2108, 0.2790



10.3431, 0.1723, 0.1316



11.7822, 0.2984, 0.3254



20.9417, 0.2112, 0.2805



1.0680, 0.2143, 0.2916

Inverse Universe

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



15.4580, 0.3583, 0.1793



26.2303, 0.3644, 0.1781



29.6143, 0.4841, 0.4453



10.7878, 0.3160, 0.3096



9.6541, 0.3630, 0.1774



0.4648, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 33.3518, 0.2142, 0.2852 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 33.3518, 0.2142, 0.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

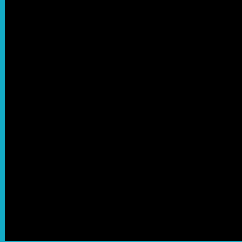
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3518, 0.2142, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 33.3518, 0.2142, 0.2852.

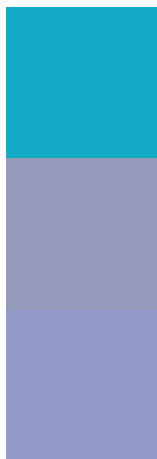


This preview shows how white text looks on a background with the Yxy color 33.3518, 0.2142, 0.2852.

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

33.3518, 0.2142, 0.2852

Protanopia

32.9523, 0.2797, 0.2824

Deuteranopia

33.0665, 0.2650, 0.2598



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.3518, 0.2142, 0.2852



Protanomaly

31.6841, 0.2432, 0.2818



Deuteranomaly

32.0680, 0.2356, 0.2664



Tritanomaly

33.2679, 0.2169, 0.2990

Monochromacy



Original Color

33.3518, 0.2142, 0.2852



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.4035, 0.2536, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3518, 0.2142, 0.2852 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(20, 171, 198)` looks like.

```
.text, #text, p{  
    color:rgb(20, 171, 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(20, 171, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 171, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.3518, 0.2142, 0.2852 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(20, 171, 198) }
```

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

```
.border{ border-color:rgb(20, 171, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 171, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 171, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 171, 198);  
box-shadow:4px 4px 4px 4px rgb(20, 171,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3518, 0.2142, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 171, 198) }
```

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

```
.background{ background-color: rgb(20, 171,  
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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