

Converting Colors

$Y_{xy}(34.2080, 0.2145, 0.2842)$

Have a look what the booklet for
Yxy(34.2080, 0.2145, 0.2842)
contains.

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Color

Yxy(34.3109, 0.2144, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	19ADC9
RGB	25, 173, 201
RGB Percent	10%, 68%, 79%
CMY	0.9031, 0.3215, 0.2117
CMYK	0.88, 0.14, 0.00, 0.21
HSL	190°, 78%, 44%
HSV	190°, 88%, 79%
XYZ	25.8841, 34.3109, 60.5330
YIQ	131.9400, -97.1960, -22.6680

Conversions

Conversions Part 2

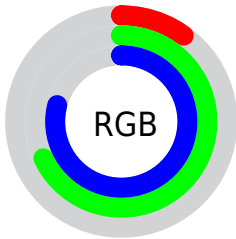
Format	Color
R _Y B	25, 105, 201
Decimal	1682889
CIE Lab	65.21, -25.95, -24.44
CIE LCh	65, 35.642, 223.286
Yxy	34.3109, 0.2144, 0.2842
Android (android.graphics.Color)	4279872969 (0xFF19ADC9)
YUV	131.9400, 34.0466, -93.7864
Hunter-Lab	58.5755, -23.6293, -20.2685

Details

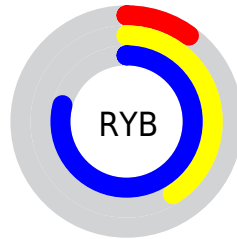
The Yxy color **34.3109, 0.2144, 0.2842** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.0127, 0.5937, 0.3492**, and the grayscale version is **22.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3844, 0.2336, 0.2974**, and **15.5395, 0.2084, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **32.9281, 0.2111, 0.2786**, and if you desaturate by 10%, it is **35.9029, 0.2195, 0.2899**.

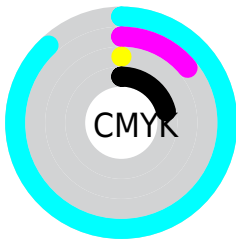
Distribution



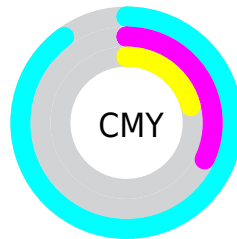
- Red (10%)
- Green (68%)
- Blue (79%)



- Red (10%)
- Yellow (41%)
- Blue (79%)



- Cyan (88%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)





- Cyan (90%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3109, 0.2144, 0.2842 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 34.3109, 0.2144, 0.2842 by changing the saturation by 10% instead.

 34.3109, 0.2144,
0.2842


 34.3109, 0.2144,
0.2842


321.5161, 0.2638,
0.3090


 23.1325, 0.2022,
0.2773


 66.4169, 0.2323,
0.2938


 14.6914, 0.1868,
0.2680

 88.1132, 0.2390,
0.2972


 8.6031, 0.1666,
0.2551


 114.0844, 0.2448,
0.3000

 4.4832, 0.1398,
0.2361

 144.7148, 0.2497,
0.3024

 1.9474, 0.1031,
0.2063

 180.3888, 0.2539,
0.3044

 0.5766, 0.0000,
0.1573

221.4907, 0.2576,

 0.0000, 0.0000,

0.3062

0.0000

268.4050, 0.2609,
0.3077

■ 34.3109, 0.2144,
0.2842

■ 34.3109, 0.2144,
0.2842

■ 32.9281, 0.2111,
0.2786

■ 35.9029, 0.2195,
0.2899

■ 32.6243, 0.2104,
0.2773

■ 37.7398, 0.2265,
0.2955

■ 39.8504, 0.2354,
0.3012

■ 42.2580, 0.2460,
0.3067

■ 44.9836, 0.2582,
0.3119

■ 48.0459, 0.2716,
0.3169

■ 51.4620, 0.2859,
0.3216

■ 55.2479, 0.3009,
0.3259

■ 59.4185, 0.3163,
0.3299

Harmonies

Analogous

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



34.3109, 0.2327, 0.3349



34.3109, 0.2144, 0.2842



34.3109, 0.2193, 0.2522

Triad

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



34.3109, 0.2144, 0.2842



34.3109, 0.3488, 0.2776



34.3109, 0.3769, 0.4257

Complementary

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



34.3109, 0.2144, 0.2842



15.0127, 0.5937, 0.3492

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.



34.3109, 0.4134, 0.3988



34.3109, 0.2144, 0.2842



34.3109, 0.3980, 0.3154

Square

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



34.3109, 0.2144, 0.2842



34.3109, 0.2926, 0.2514



34.3109, 0.4221, 0.3584



34.3109, 0.3250, 0.4249

Rectangle

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



34.3109, 0.2144, 0.2842



34.3109, 0.2350, 0.2430



34.3109, 0.4221, 0.3584



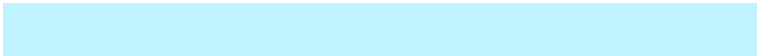
34.3109, 0.3915, 0.4192

Sweetspot

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



34.3121, 0.2144, 0.2842



82.9813, 0.2735, 0.3176



42.2297, 0.2947, 0.5686



17.3468, 0.2686, 0.3159



0.0000, 0.0000, 0.0000



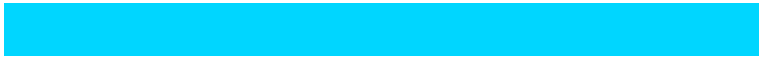
21.4041, 0.3127, 0.3290

Same Dimension

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



34.3121, 0.2144, 0.2842



55.5545, 0.2102, 0.2766



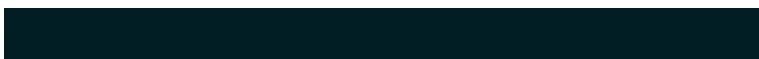
11.1456, 0.1742, 0.1357



11.7694, 0.2984, 0.3252



20.6182, 0.2106, 0.2781



1.0554, 0.2138, 0.2898

Inverse Universe

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



16.1222, 0.3591, 0.1810



26.1394, 0.3667, 0.1794



31.0483, 0.4811, 0.4453



10.7865, 0.3161, 0.3098



9.6214, 0.3652, 0.1785



0.4636, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 34.3109, 0.2144, 0.2842 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 34.3109, 0.2144, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

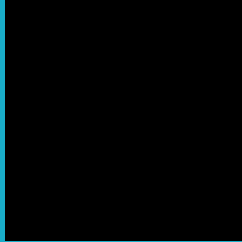
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3109, 0.2144, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 34.3109, 0.2144, 0.2842.

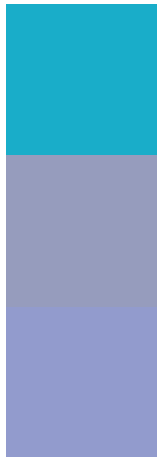


This preview shows how white text looks on a background with the Yxy color 34.3109, 0.2144, 0.2842.

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

34.3109, 0.2144, 0.2842

Protanopia

33.9351, 0.2792, 0.2816

Deuteranopia

33.9615, 0.2640, 0.2592



Tritanopia

34.3341, 0.2182, 0.3057

Trichromacy



Original Color

34.3109, 0.2144, 0.2842



Protanomaly

32.6340, 0.2433, 0.2810



Deuteranomaly

33.0251, 0.2357, 0.2657



Tritanomaly

34.1804, 0.2167, 0.2978

Monochromacy



Original Color

34.3109, 0.2144, 0.2842



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.6289, 0.2553, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3109, 0.2144, 0.2842 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(25, 173, 201)` looks like.

```
.text, #text, p{  
    color:rgb(25, 173, 201)  
}
```

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(25, 173, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 173, 201) }
```

Border

The CSS property to change the border of an element to Yxy 34.3109, 0.2144, 0.2842 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(25, 173, 201) }
```

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

```
.border{ border-color:rgb(25, 173, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 173, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 173, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 173, 201);  
box-shadow:4px 4px 4px 4px rgb(25, 173,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3109, 0.2144, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 173, 201) }
```

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

```
.background{ background-color: rgb(25, 173,  
201) }
```

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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