

Converting Colors

$Y_{xy}(29.5729, 0.2123, 0.2783)$

Have a look what the booklet for
Yxy(29.5729, 0.2123, 0.2783)
contains.

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Color

Yxy(29.4340, 0.2119, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	13A1C0
RGB	19, 161, 192
RGB Percent	7%, 63%, 75%
CMY	0.9244, 0.3687, 0.2470
CMYK	0.90, 0.16, 0.00, 0.25
HSL	191°, 82%, 41%
HSV	191°, 90%, 75%
XYZ	22.5327, 29.4340, 54.3700
YIQ	122.0760, -94.5830, -20.4630

Conversions

Conversions Part 2

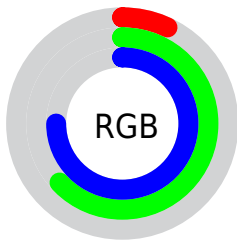
Format	Color
RYB	19, 97, 192
Decimal	1286592
CIELab	61.16, -23.14, -25.63
CIELCh	61, 34.535, 227.918
Yxy	29.4340, 0.2119, 0.2768
Android (android.graphics.Color)	4279476672 (0xFF13A1C0)
YUV	122.0760, 34.4725, -90.3977
Hunter-Lab	54.2531, -20.8072, -21.4405

Details

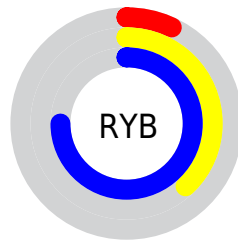
The Yxy color **29.4340, 0.2119, 0.2768** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.5636, 0.5961, 0.3513**, and the grayscale version is **19.4251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7138, 0.2310, 0.2887**, and **12.7723, 0.2060, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **28.1056, 0.2085, 0.2704**, and if you desaturate by 10%, it is **30.9370, 0.2169, 0.2832**.

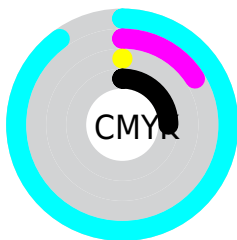
Distribution



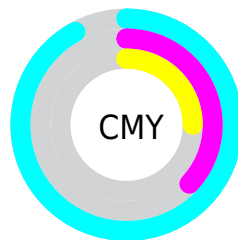
- Red (7%)
- Green (63%)
- Blue (75%)



- Red (7%)
- Yellow (38%)
- Blue (75%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (25%)



- Cyan (92%)
- Magenta (37%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4340, 0.2119, 0.2768 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 29.4340, 0.2119, 0.2768 by changing the saturation by 10% instead.

 29.4340, 0.2119,
0.2768


 29.4340, 0.2119,
0.2768


299.2572, 0.2637,
0.3060

 19.4094, 0.1988,
0.2685


 58.7659, 0.2309,
0.2881

 11.9665, 0.1820,
0.2574


 78.8420, 0.2380,
0.2922


 6.7208, 0.1598,
0.2416


 103.0374, 0.2440,
0.2955

 3.2881, 0.1299,
0.2182

 131.7364, 0.2491,
0.2983

 1.2839, 0.0862,
0.1815

 165.3235, 0.2535,
0.3007

 0.1287, 0.0000,
0.0532

204.1831, 0.2574,

 0.0000, 0.0000,

0.3027

0.0000

248.6995, 0.2607,
0.3045

■ 29.4340, 0.2119,
0.2768

■ 29.4340, 0.2119,
0.2768

■ 28.1056, 0.2085,
0.2704

■ 30.9370, 0.2169,
0.2832

■ 28.0999, 0.2085,
0.2704

■ 32.6612, 0.2237,
0.2897

■ 34.6333, 0.2325,
0.2961

■ 36.8750, 0.2430,
0.3024

■ 39.4054, 0.2551,
0.3084

■ 42.2417, 0.2684,
0.3142

■ 45.3995, 0.2827,
0.3195

■ 48.8935, 0.2975,
0.3245

■ 52.7373, 0.3128,
0.3290

Harmonies

Analogous

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



29.4340, 0.2268, 0.3261



29.4340, 0.2119, 0.2768



29.4340, 0.2205, 0.2478

Triad

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



29.4340, 0.2119, 0.2768



29.4340, 0.3582, 0.2820



29.4340, 0.3705, 0.4297

Complementary

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



29.4340, 0.2119, 0.2768



13.5636, 0.5961, 0.3513

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.



29.4340, 0.4111, 0.4055



29.4340, 0.2119, 0.2768



29.4340, 0.4056, 0.3216

Square

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



29.4340, 0.2119, 0.2768



29.4340, 0.3007, 0.2532



29.4340, 0.4251, 0.3655



29.4340, 0.3165, 0.4236

Rectangle

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



29.4340, 0.2119, 0.2768



29.4340, 0.2387, 0.2407



29.4340, 0.4251, 0.3655



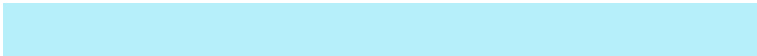
29.4340, 0.3862, 0.4243

Sweetspot

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



29.4350, 0.2119, 0.2768



77.9155, 0.2719, 0.3156



38.0604, 0.2942, 0.5695



16.3117, 0.2671, 0.3136



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



29.4350, 0.2119, 0.2768



50.5684, 0.2082, 0.2694



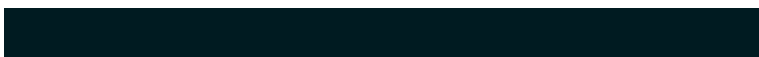
9.2361, 0.1711, 0.1271



11.1108, 0.2984, 0.3248



19.0089, 0.2087, 0.2712



0.9036, 0.2126, 0.2854

Inverse Universe

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



14.2566, 0.3660, 0.1836



24.7143, 0.3734, 0.1831



28.4275, 0.4803, 0.4485



10.2155, 0.3164, 0.3103



9.2012, 0.3717, 0.1821



0.4059, 0.3585, 0.1748

Previews

White Background



This preview shows how the Yxy color 29.4340, 0.2119, 0.2768 looks on a white background.

Color Contrast Check

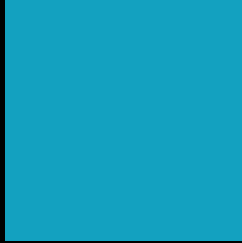
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4340, 0.2119, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

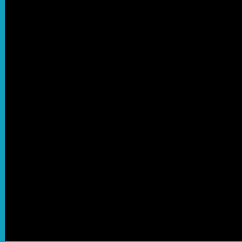
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4340, 0.2119, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 29.4340, 0.2119, 0.2768.

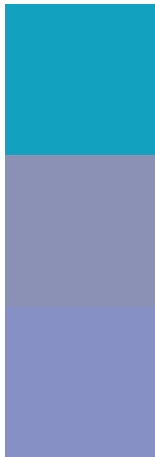


This preview shows how white text looks on a background with the Yxy color 29.4340, 0.2119, 0.2768.

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

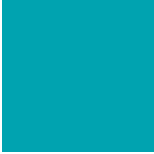
29.4340, 0.2119, 0.2768

Protanopia

28.9903, 0.2738, 0.2742

Deuteranopia

29.0004, 0.2588, 0.2521



Tritanopia

29.3290, 0.2183, 0.3058

Trichromacy



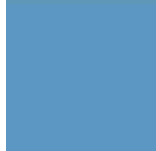
Original Color

29.4340, 0.2119, 0.2768



Protanomaly

28.0689, 0.2391, 0.2735



Deuteranomaly

28.0281, 0.2311, 0.2573



Tritanomaly

29.2632, 0.2156, 0.2941

Monochromacy



Original Color

29.4340, 0.2119, 0.2768



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.6462, 0.2534, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4340, 0.2119, 0.2768 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(19, 161, 192)` looks like.

```
.text, #text, p{  
    color:rgb(19, 161, 192)  
}
```

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(19, 161, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 161, 192) }
```

Border

The CSS property to change the border of an element to Yxy 29.4340, 0.2119, 0.2768 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(19, 161, 192) }
```

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

```
.border{ border-color:rgb(19, 161, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 161, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 161, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 161, 192);  
box-shadow:4px 4px 4px 4px rgb(19, 161,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4340, 0.2119, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 161, 192) }
```

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

```
.background{ background-color: rgb(19, 161,  
192) }
```

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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