

Converting Colors

$Yxy(28.1233, 0.2149, 0.2823)$

Have a look what the booklet for
Yxy(28.1233, 0.2149, 0.2823)
contains.

Yxy(28.2034, 0.2149, 0.2824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.2034, 0.2149, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	1C9EB9
RGB	28, 158, 185
RGB Percent	11%, 62%, 73%
CMY	0.8900, 0.3804, 0.2746
CMYK	0.85, 0.15, 0.00, 0.27
HSL	190°, 74%, 42%
HSV	190°, 85%, 73%
XYZ	21.4621, 28.2034, 50.2048
YIQ	122.2080, -86.1470, -19.1630

Conversions

Conversions Part 2

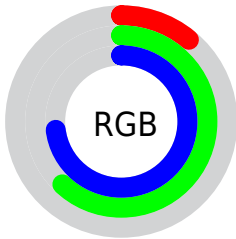
Format	Color
R_{YB}	28, 99, 185
Decimal	1875641
CIE _{Lab}	60.07, -23.42, -23.35
CIE _{LCh}	60, 33.076, 224.912
Yxy	28.2034, 0.2149, 0.2824
Android (android.graphics.Color)	4280065721 (0xFF1C9EB9)
YUV	122.2080, 30.9565, -82.6204
Hunter-Lab	53.1069, -20.7996, -18.8753

Details

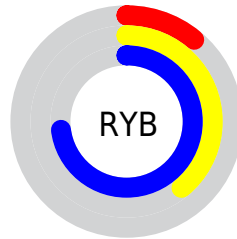
The Yxy color **28.2034, 0.2149, 0.2824** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.1317, 0.5800, 0.3529**, and the grayscale version is **19.4557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8824, 0.2338, 0.2931**, and **11.9740, 0.2074, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **26.9474, 0.2109, 0.2763**, and if you desaturate by 10%, it is **29.6497, 0.2208, 0.2886**.

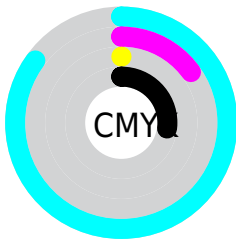
Distribution



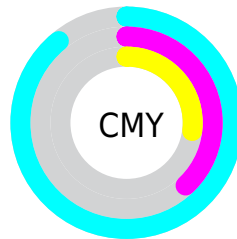
- Red (11%)
- Green (62%)
- Blue (73%)



- Red (11%)
- Yellow (39%)
- Blue (73%)



- Cyan (85%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)





- Cyan (89%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2034, 0.2149, 0.2824 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 28.2034, 0.2149, 0.2824 by changing the saturation by 10% instead.


 28.2034, 0.2149,
0.2824


 28.2034, 0.2149,
0.2824

293.4376, 0.2657,
0.3089


 18.4790, 0.2019,
0.2747


 56.8090, 0.2337,
0.2928


 11.2945, 0.1850,
0.2643


 76.4591, 0.2406,
0.2965

 6.2653, 0.1626,
0.2493


 100.1865, 0.2465,
0.2995

 3.0070, 0.1319,
0.2265

 128.3756, 0.2515,
0.3020

 1.1354, 0.0819,
0.1905

 161.4109, 0.2558,
0.3041

 0.0080, 0.0000,
0.0044

199.6767, 0.2595,

 0.0000, 0.0000,

0.3059

0.0000

243.5575, 0.2628,
0.3075

■ 28.2034, 0.2149,
0.2824

■ 28.2034, 0.2149,
0.2824

■ 26.9474, 0.2109,
0.2763

■ 29.6497, 0.2208,
0.2886

■ 26.3443, 0.2092,
0.2732

■ 31.3089, 0.2285,
0.2947

■ 33.2033, 0.2381,
0.3007

■ 35.3514, 0.2493,
0.3066

■ 37.7696, 0.2620,
0.3122

■ 40.4728, 0.2757,
0.3175

■ 43.4747, 0.2903,
0.3224

■ 46.7883, 0.3053,
0.3270

■ 50.4253, 0.3206,
0.3311

Harmonies

Analogous

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



28.2034, 0.2319, 0.3318



28.2034, 0.2149, 0.2824



28.2034, 0.2210, 0.2518

Triad

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



28.2034, 0.2149, 0.2824



28.2034, 0.3515, 0.2798



28.2034, 0.3739, 0.4256

Complementary

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



28.2034, 0.2149, 0.2824



13.1317, 0.5800, 0.3529

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.



28.2034, 0.4111, 0.4002



28.2034, 0.2149, 0.2824



28.2034, 0.3993, 0.3178

Square

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



28.2034, 0.2149, 0.2824



28.2034, 0.2957, 0.2531



28.2034, 0.4215, 0.3605



28.2034, 0.3220, 0.4228

Rectangle

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



28.2034, 0.2149, 0.2824



28.2034, 0.2374, 0.2434



28.2034, 0.4215, 0.3605



28.2034, 0.3886, 0.4196

Sweetspot

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



28.2044, 0.2149, 0.2824



72.2080, 0.2749, 0.3172



35.2089, 0.2934, 0.5585



15.1922, 0.2700, 0.3154



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



28.2044, 0.2149, 0.2824



46.8840, 0.2090, 0.2722



9.5393, 0.1764, 0.1387



9.9407, 0.2985, 0.3250



18.0342, 0.2094, 0.2740



0.7059, 0.2138, 0.2896

Inverse Universe

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



13.6140, 0.3604, 0.1845



22.5725, 0.3707, 0.1816



27.0824, 0.4723, 0.4479



9.1355, 0.3163, 0.3103



8.6029, 0.3691, 0.1807



0.3104, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 28.2034, 0.2149, 0.2824 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 28.2034, 0.2149, 0.2824 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 28.2034, 0.2149, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 28.2034, 0.2149, 0.2824.

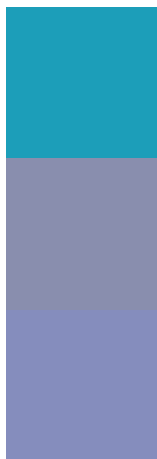


This preview shows how white text looks on a background with the Yxy color 28.2034, 0.2149, 0.2824.

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

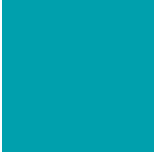
28.2034, 0.2149, 0.2824

Protanopia

27.7204, 0.2783, 0.2792

Deuteranopia

27.7104, 0.2626, 0.2564



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.2034, 0.2149, 0.2824



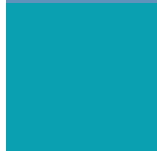
Protanomaly

26.9355, 0.2439, 0.2789



Deuteranomaly

26.9312, 0.2360, 0.2623



Tritanomaly

28.0351, 0.2167, 0.2969

Monochromacy



Original Color

28.2034, 0.2149, 0.2824



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.4470, 0.2571, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2034, 0.2149, 0.2824 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(28, 158, 185)` looks like.

```
.text, #text, p{  
    color:rgb(28, 158, 185)  
}
```

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(28, 158, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 158, 185) }
```

Border

The CSS property to change the border of an element to Yxy 28.2034, 0.2149, 0.2824 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(28, 158, 185) }
```

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

```
.border{ border-color:rgb(28, 158, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 158, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 158, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 158, 185);  
box-shadow:4px 4px 4px 4px rgb(28, 158,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2034, 0.2149, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 158, 185) }
```

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

```
.background{ background-color: rgb(28, 158,  
185) }
```

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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