

Converting Colors

$Y_{xy}(28.1014, 0.2140, 0.2801)$

Have a look what the booklet for
Yxy(28.1014, 0.2140, 0.2801)
contains.

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Color

Yxy(28.2319, 0.2143, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	1B9EBA
RGB	27, 158, 186
RGB Percent	11%, 62%, 73%
CMY	0.8931, 0.3804, 0.2706
CMYK	0.85, 0.15, 0.00, 0.27
HSL	191°, 74%, 42%
HSV	191°, 85%, 73%
XYZ	21.5459, 28.2319, 50.7631
YIQ	122.0230, -87.0640, -19.0640

Conversions

Conversions Part 2

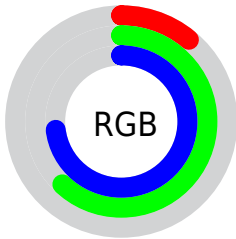
Format	Color
R_{YB}	27, 99, 186
Decimal	1810106
CIE _{Lab}	60.10, -23.14, -23.88
CIE _{LCh}	60, 33.250, 225.901
Yxy	28.2319, 0.2143, 0.2808
Android (android.graphics.Color)	4280000186 (0xFF1B9EBA)
YUV	122.0230, 31.5407, -83.3352
Hunter-Lab	53.1337, -20.6015, -19.4512

Details

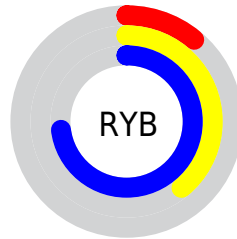
The Yxy color **28.2319, 0.2143, 0.2808** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.2761, 0.5810, 0.3534**, and the grayscale version is **19.4120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9424, 0.2334, 0.2919**, and **12.0015, 0.2068, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **26.9478, 0.2103, 0.2745**, and if you desaturate by 10%, it is **29.7082, 0.2201, 0.2871**.

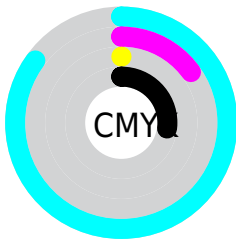
Distribution



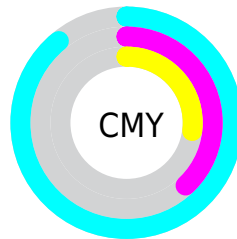
- Red (11%)
- Green (62%)
- Blue (73%)



- 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 28.2319, 0.2143, 0.2808 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 28.2319, 0.2143, 0.2808 by changing the saturation by 10% instead.


 28.2319, 0.2143,
0.2808


 28.2319, 0.2143,
0.2808

293.5734, 0.2653,
0.3081

 18.5005, 0.2012,
0.2729


 56.8545, 0.2332,
0.2915

 11.3099, 0.1843,
0.2622


 76.5145, 0.2402,
0.2953

 6.2757, 0.1619,
0.2469


 100.2528, 0.2461,
0.2984

 3.0134, 0.1312,
0.2237

 128.4539, 0.2511,
0.3010

 1.1388, 0.0818,
0.1872

 161.5021, 0.2554,
0.3032

 0.0108, 0.0000,
0.0057

199.7818, 0.2591,

 0.0000, 0.0000,

0.3050

0.0000

243.6774, 0.2624,
0.3067

■ 28.2319, 0.2143,
0.2808

■ 28.2319, 0.2143,
0.2808

■ 26.9478, 0.2103,
0.2745

■ 29.7082, 0.2201,
0.2871

■ 26.3874, 0.2088,
0.2716

■ 31.4005, 0.2278,
0.2934

■ 33.3314, 0.2374,
0.2997

■ 35.5199, 0.2486,
0.3057

■ 37.9826, 0.2612,
0.3115

■ 40.7348, 0.2750,
0.3169

■ 43.7905, 0.2895,
0.3220

■ 47.1627, 0.3046,
0.3267

■ 50.8637, 0.3198,
0.3309

Harmonies

Analogous

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



28.2319, 0.2306, 0.3300



28.2319, 0.2143, 0.2808



28.2319, 0.2212, 0.2508

Triad

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



28.2319, 0.2143, 0.2808



28.2319, 0.3535, 0.2807



28.2319, 0.3726, 0.4265

Complementary

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



28.2319, 0.2143, 0.2808



13.2761, 0.5810, 0.3534

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.



28.2319, 0.4107, 0.4016



28.2319, 0.2143, 0.2808



28.2319, 0.4009, 0.3191

Square

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



28.2319, 0.2143, 0.2808



28.2319, 0.2974, 0.2534



28.2319, 0.4222, 0.3620



28.2319, 0.3202, 0.4227

Rectangle

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



28.2319, 0.2143, 0.2808



28.2319, 0.2381, 0.2428



28.2319, 0.4222, 0.3620



28.2319, 0.3876, 0.4208

Sweetspot

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



28.2329, 0.2143, 0.2808



73.2712, 0.2734, 0.3164



35.6149, 0.2935, 0.5597



15.7443, 0.2686, 0.3145



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



28.2329, 0.2143, 0.2808



47.5113, 0.2085, 0.2706



9.5445, 0.1758, 0.1375



9.9338, 0.2985, 0.3249



17.8525, 0.2090, 0.2724



0.7009, 0.2135, 0.2885

Inverse Universe

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



13.7026, 0.3619, 0.1849



23.0691, 0.3722, 0.1824



27.3164, 0.4732, 0.4480



9.1348, 0.3164, 0.3104



8.5846, 0.3705, 0.1815



0.3099, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 28.2319, 0.2143, 0.2808 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 28.2319, 0.2143, 0.2808 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 28.2319, 0.2143, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 28.2319, 0.2143, 0.2808.

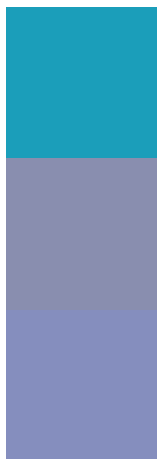


This preview shows how white text looks on a background with the Yxy color 28.2319, 0.2143, 0.2808.

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

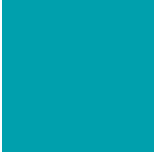
28.2319, 0.2143, 0.2808

Protanopia

27.7595, 0.2774, 0.2778

Deuteranopia

28.0503, 0.2620, 0.2566



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.2319, 0.2143, 0.2808



Protanomaly

26.9759, 0.2433, 0.2774



Deuteranomaly

27.2868, 0.2357, 0.2626



Tritanomaly

28.0752, 0.2162, 0.2953

Monochromacy



Original Color

28.2319, 0.2143, 0.2808



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 28.2319, 0.2143, 0.2808 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(27, 158, 186)` looks like.

```
.text, #text, p{  
  color:rgb(27, 158, 186)  
}
```

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(27, 158, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 158, 186) }
```

Border

The CSS property to change the border of an element to Yxy 28.2319, 0.2143, 0.2808 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(27, 158, 186) }
```

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

```
.border{ border-color:rgb(27, 158, 186) }
```

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

Here you see how a box with a 4 pixel rgb(27, 158, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 158, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 158, 186);  
box-shadow:4px 4px 4px 4px rgb(27, 158,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2319, 0.2143, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 158, 186) }
```

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

```
.background{ background-color: rgb(27, 158,  
186) }
```

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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