

Converting Colors

$Y_{xy}(28.5870, 0.2182, 0.2779)$

Have a look what the booklet for
Yxy(28.5870, 0.2182, 0.2779)
contains.

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Color

$Y_{xy}(28.7129, 0.2183, 0.2783)$

Conversions

Conversions Part 1

Format	Color
Hex	309EBC
RGB	48, 158, 188
RGB Percent	19%, 62%, 74%
CMY	0.8118, 0.3804, 0.2627
CMYK	0.74, 0.16, 0.00, 0.26
HSL	193°, 59%, 46%
HSV	193°, 74%, 74%
XYZ	22.5226, 28.7129, 51.9370
YIQ	128.5300, -75.1900, -13.9900

Conversions

Conversions Part 2

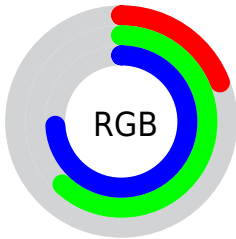
Format	Color
R_{YB}	48, 110, 188
Decimal	3186364
CIE _{Lab}	60.53, -20.45, -24.32
CIE _{LCh}	61, 31.780, 229.941
Yxy	28.7129, 0.2183, 0.2783
Android (android.graphics.Color)	4281376444 (0xFF309EBC)
YUV	128.5300, 29.3187, -70.6248
Hunter-Lab	53.5844, -18.7458, -19.9581

Details

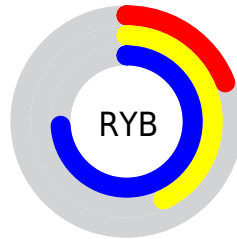
The Yxy color **28.7129, 0.2183, 0.2783** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.3526, 0.5329, 0.3631**, and the grayscale version is **21.6944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6976, 0.2365, 0.2899**, and **12.0573, 0.2056, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **26.9978, 0.2118, 0.2705**, and if you desaturate by 10%, it is **30.6687, 0.2267, 0.2861**.

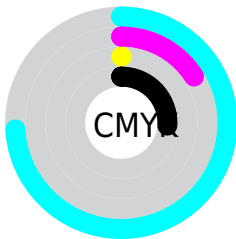
Distribution



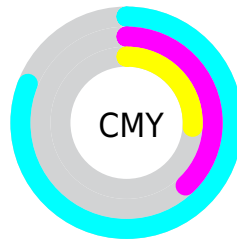
- Red (19%)
- Green (62%)
- Blue (74%)



- Red (19%)
- Yellow (43%)
- Blue (74%)



- Cyan (74%)
- Magenta (16%)
- Yellow (0%)
- Black (26%)





- Cyan (81%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7129, 0.2183, 0.2783 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 28.7129, 0.2183, 0.2783 by changing the saturation by 10% instead.


 28.7129, 0.2183,
0.2783


 28.7129, 0.2183,
0.2783


295.8579, 0.2672,
0.3066

 18.8637, 0.2057,
0.2703


 57.6206, 0.2364,
0.2893

 11.5719, 0.1895,
0.2594


 77.4480, 0.2431,
0.2932


 6.4529, 0.1680,
0.2440


 101.3702, 0.2487,
0.2965

 3.1224, 0.1383,
0.2209

 129.7717, 0.2535,
0.2992

 1.1959, 0.0938,
0.1844

 163.0368, 0.2577,
0.3015

 0.0584, 0.0000,
0.0283

201.5499, 0.2613,

 0.0000, 0.0000,

0.3034

0.0000

245.6955, 0.2644,
0.3051

■ 28.7129, 0.2183,
0.2783

■ 28.7129, 0.2183,
0.2783

■ 26.9978, 0.2118,
0.2705

■ 30.6687, 0.2267,
0.2861

■ 25.4936, 0.2072,
0.2627

■ 32.8844, 0.2370,
0.2938

■ 24.7239, 0.2051,
0.2584

■ 35.3803, 0.2488,
0.3012

■ 38.1736, 0.2619,
0.3082

■ 41.2800, 0.2760,
0.3149

■ 44.7140, 0.2907,
0.3210

■ 48.4891, 0.3059,
0.3266

■ 52.6179, 0.3211,
0.3318

■ 57.1123, 0.3363,
0.3363

Harmonies

Analogous

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



28.7129, 0.2310, 0.3231



28.7129, 0.2183, 0.2783



28.7129, 0.2278, 0.2522

Triad

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



28.7129, 0.2183, 0.2783



28.7129, 0.3585, 0.2874



28.7129, 0.3637, 0.4230

Complementary

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



28.7129, 0.2183, 0.2783



16.3526, 0.5329, 0.3631

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.



28.7129, 0.4025, 0.4028



28.7129, 0.2183, 0.2783



28.7129, 0.4009, 0.3252

Square

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



28.7129, 0.2183, 0.2783



28.7129, 0.3053, 0.2594



28.7129, 0.4171, 0.3664



28.7129, 0.3131, 0.4146

Rectangle

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



28.7129, 0.2183, 0.2783



28.7129, 0.2459, 0.2463



28.7129, 0.4171, 0.3664



28.7129, 0.3786, 0.4189

Sweetspot

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



28.7139, 0.2183, 0.2783



76.0743, 0.2791, 0.3162



37.1201, 0.2907, 0.5262



16.0120, 0.2751, 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.



28.7139, 0.2183, 0.2783



47.2522, 0.2088, 0.2658



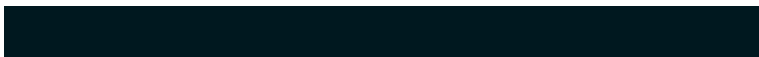
11.5695, 0.1870, 0.1551



10.4531, 0.2985, 0.3240



16.9429, 0.2054, 0.2594



0.7519, 0.2105, 0.2779

Inverse Universe

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



15.2736, 0.3629, 0.1982



24.2395, 0.3763, 0.1893



31.4638, 0.4493, 0.4481



9.6603, 0.3169, 0.3112



8.7401, 0.3830, 0.1883



0.3513, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 28.7129, 0.2183, 0.2783 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 28.7129, 0.2183, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

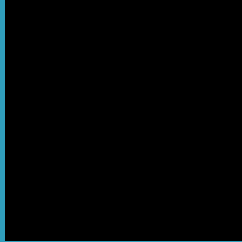
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7129, 0.2183, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 28.7129, 0.2183, 0.2783.

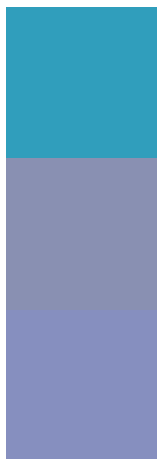


This preview shows how white text looks on a background with the Yxy color 28.7129, 0.2183, 0.2783.

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

28.7129, 0.2183, 0.2783

Protanopia

28.4792, 0.2752, 0.2767

Deuteranopia

28.4748, 0.2623, 0.2570



Tritanopia

28.5727, 0.2228, 0.3041

Trichromacy



Original Color

28.7129, 0.2183, 0.2783

Protanomaly

27.8755, 0.2472, 0.2754

Deuteranomaly

27.7811, 0.2404, 0.2621

Tritanomaly

28.5021, 0.2209, 0.2940

Monochromacy



Original Color

28.7129, 0.2183, 0.2783

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.6675, 0.2644, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7129, 0.2183, 0.2783 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(48, 158, 188)` looks like.

```
.text, #text, p{  
    color:rgb(48, 158, 188)  
}
```

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(48, 158, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 158, 188) }
```

Border

The CSS property to change the border of an element to Yxy 28.7129, 0.2183, 0.2783 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(48, 158, 188) }
```

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

```
.border{ border-color:rgb(48, 158, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 158, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 158, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 158, 188);  
box-shadow:4px 4px 4px 4px rgb(48, 158,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7129, 0.2183, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 158, 188) }
```

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

```
.background{ background-color: rgb(48, 158,  
188) }
```

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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