

Converting Colors

$Y_{xy}(29.8012, 0.2250, 0.2906)$

Have a look what the booklet for
Yxy(29.8012, 0.2250, 0.2906)
contains.

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Color

Yxy(29.8500, 0.2249, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	3AA1B8
RGB	58, 161, 184
RGB Percent	23%, 63%, 72%
CMY	0.7728, 0.3686, 0.2783
CMYK	0.69, 0.13, 0.00, 0.28
HSL	191°, 52%, 47%
HSV	191°, 69%, 72%
XYZ	23.1412, 29.8500, 49.9043
YIQ	132.8250, -68.7710, -14.6830

Conversions

Conversions Part 2

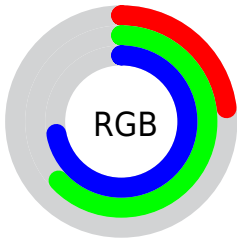
Format	Color
RYB	58, 115, 184
Decimal	3842488
CIELab	61.52, -21.94, -20.54
CIElCh	62, 30.056, 223.106
Yxy	29.8500, 0.2249, 0.2901
Android (android.graphics.Color)	4282032568 (0xFF3AA1B8)
YUV	132.8250, 25.2293, -65.6215
Hunter-Lab	54.6352, -20.0062, -15.9115




Details

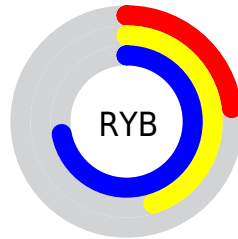
The Yxy color **29.8500, 0.2249, 0.2901** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3793, 0.5129, 0.3578**, and the grayscale version is **23.3098, 0.3127, 0.3290**.




A 20% lighter version of the original color is **59.3961, 0.2416, 0.2988**, and **12.5760, 0.2101, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **28.2363, 0.2177, 0.2835**, and if you desaturate by 10%, it is **31.6945, 0.2340, 0.2966**.

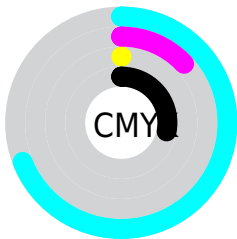
Distribution







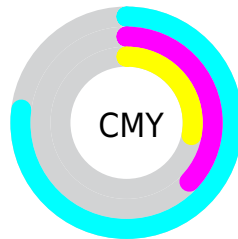
-  Red (23%)
-  Green (63%)
-  Blue (72%)






-  Red (23%)
-  Yellow (45%)
-  Blue (72%)



-  Cyan (69%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (28%)



-  Cyan (77%)
-  Magenta (37%)
-  Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8500, 0.2249, 0.2901 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 29.8500, 0.2249, 0.2901 by changing the saturation by 10% instead.

■ 29.8500, 0.2249,
0.2901

■ 29.8500, 0.2249,
0.2901

■ 301.2046, 0.2704,
0.3121

■ 19.7248, 0.2132,
0.2838

■ 59.4249, 0.2417,
0.2987

■ 12.1951, 0.1980,
0.2751

■ 79.6433, 0.2480,
0.3017

■ 6.8767, 0.1777,
0.2627

■ 103.9949, 0.2532,
0.3042

■ 3.3851, 0.1496,
0.2437

■ 132.8641, 0.2577,
0.3063

■ 1.3359, 0.1076,
0.2123

■ 166.6353, 0.2615,
0.3081

■ 0.1688, 0.0000,
0.0866

205.6929, 0.2648,

■ 0.0000, 0.0000,

0.3096

0.0000

250.4212, 0.2678,
0.3109

■ 29.8500, 0.2249,
0.2901

■ 29.8500, 0.2249,
0.2901

■ 28.2363, 0.2177,
0.2835

■ 31.6945, 0.2340,
0.2966

■ 26.8277, 0.2124,
0.2770

■ 33.7856, 0.2448,
0.3029

■ 25.5879, 0.2087,
0.2705

■ 36.1413, 0.2570,
0.3090

■ 25.4097, 0.2082,
0.2695

■ 38.7769, 0.2705,
0.3148

■ 41.7064, 0.2848,
0.3202

■ 44.9428, 0.2998,
0.3251

■ 48.4982, 0.3150,
0.3296

■ 52.3842, 0.3303,
0.3337

■ 56.6115, 0.3453,
0.3374

Harmonies

Analogous

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



29.8500, 0.2418, 0.3349



29.8500, 0.2249, 0.2901



29.8500, 0.2291, 0.2610

Triad

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



29.8500, 0.2249, 0.2901



29.8500, 0.3445, 0.2830



29.8500, 0.3704, 0.4146

Complementary

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



29.8500, 0.2249, 0.2901



16.3793, 0.5129, 0.3578

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.



29.8500, 0.4022, 0.3916



29.8500, 0.2249, 0.2901



29.8500, 0.3878, 0.3171

Square

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



29.8500, 0.2249, 0.2901



29.8500, 0.2949, 0.2594



29.8500, 0.4093, 0.3558



29.8500, 0.3245, 0.4130

Rectangle

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



29.8500, 0.2249, 0.2901



29.8500, 0.2433, 0.2523



29.8500, 0.4093, 0.3558



29.8500, 0.3832, 0.4091

Sweetspot

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



29.8511, 0.2249, 0.2901



74.0155, 0.2807, 0.3187



35.7546, 0.2930, 0.5161



15.6406, 0.2768, 0.3172



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.



29.8511, 0.2249, 0.2901



49.8842, 0.2149, 0.2804



13.4692, 0.1978, 0.1782



9.9242, 0.2985, 0.3247



17.6012, 0.2084, 0.2703



0.6940, 0.2131, 0.2870

Inverse Universe

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



15.7880, 0.3517, 0.2003



24.5616, 0.3621, 0.1870



29.8452, 0.4428, 0.4375



9.1338, 0.3165, 0.3105



8.5592, 0.3725, 0.1826



0.3092, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 29.8500, 0.2249, 0.2901 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 29.8500, 0.2249, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

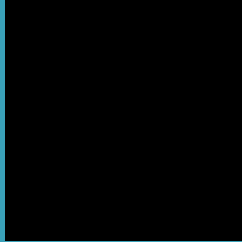
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8500, 0.2249, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 29.8500, 0.2249, 0.2901.



This preview shows how white text looks on a background with the Yxy color 29.8500, 0.2249, 0.2901.

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

29.8500, 0.2249, 0.2901

Protanopia

29.3645, 0.2833, 0.2862

Deuteranopia

29.5444, 0.2709, 0.2652



Tritanopia

29.7321, 0.2277, 0.3046

Trichromacy



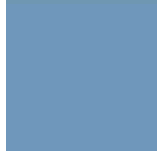
Original Color

29.8500, 0.2249, 0.2901



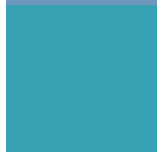
Protanomaly

28.7271, 0.2548, 0.2853



Deuteranomaly

29.1006, 0.2487, 0.2722



Tritanomaly

29.9076, 0.2269, 0.2998

Monochromacy



Original Color

29.8500, 0.2249, 0.2901



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

24.9761, 0.2686, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8500, 0.2249, 0.2901 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(58, 161, 184)` looks like.

```
.text, #text, p{  
    color:rgb(58, 161, 184)  
}
```

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(58, 161, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 161, 184) }
```

Border

The CSS property to change the border of an element to Yxy 29.8500, 0.2249, 0.2901 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(58, 161, 184) }
```

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

```
.border{ border-color:rgb(58, 161, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 161, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 161, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 161, 184);  
box-shadow:4px 4px 4px 4px rgb(58, 161,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8500, 0.2249, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 161, 184) }
```

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

```
.background{ background-color: rgb(58, 161,  
184) }
```

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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