

Converting Colors

$Yxy(30.0255, 0.2179, 0.2852)$

Have a look what the booklet for
Yxy(30.0255, 0.2179, 0.2852)
contains.

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Color

Yxy(29.9226, 0.2180, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	28A2BC
RGB	40, 162, 188
RGB Percent	16%, 64%, 74%
CMY	0.8422, 0.3648, 0.2627
CMYK	0.79, 0.14, 0.00, 0.26
HSL	191°, 65%, 45%
HSV	191°, 79%, 74%
XYZ	22.8801, 29.9226, 52.1520
YIQ	128.4860, -81.0580, -17.7780

Conversions

Conversions Part 2

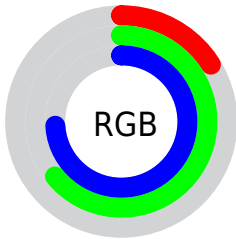
Format	Color
R_{YB}	40, 107, 188
Decimal	2663100
CIE _{Lab}	61.59, -23.39, -22.71
CIE _{LCh}	62, 32.604, 224.154
Yxy	29.9226, 0.2180, 0.2851
Android (android.graphics.Color)	4280853180 (0xFF28A2BC)
YUV	128.4860, 29.3404, -77.6022
Hunter-Lab	54.7016, -21.0661, -18.2355

Details

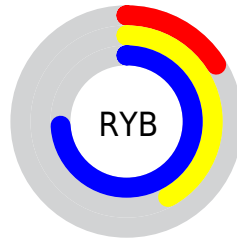
The Yxy color **29.9226, 0.2180, 0.2851** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.7757, 0.5560, 0.3558**, and the grayscale version is **21.7060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4724, 0.2360, 0.2950**, and **12.9011, 0.2084, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **28.4808, 0.2128, 0.2788**, and if you desaturate by 10%, it is **31.5807, 0.2251, 0.2914**.

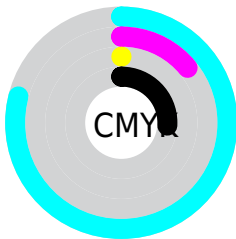
Distribution



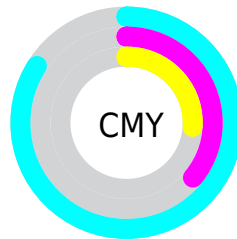
- Red (16%)
- Green (64%)
- Blue (74%)



- Red (16%)
- Yellow (42%)
- Blue (74%)



- Cyan (79%)
- Magenta (14%)
- Yellow (0%)
- Black (26%)





- Cyan (84%)
- Magenta (36%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9226, 0.2180, 0.2851 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 29.9226, 0.2180, 0.2851 by changing the saturation by 10% instead.


 29.9226, 0.2180,
0.2851


 29.9226, 0.2180,
0.2851


301.5435, 0.2668,
0.3098


 19.7798, 0.2056,
0.2780


 59.5398, 0.2360,
0.2948


 12.2351, 0.1895,
0.2684


 79.7829, 0.2427,
0.2982

 6.9040, 0.1683,
0.2546


 104.1617, 0.2483,
0.3010

 3.4021, 0.1392,
0.2338

 133.0605, 0.2531,
0.3034

 1.3451, 0.0965,
0.2003

 166.8637, 0.2572,
0.3054

 0.1757, 0.0000,
0.0797

205.9557, 0.2608,

 0.0000, 0.0000,

0.3071

0.0000

250.7208, 0.2640,
0.3086

■ 29.9226, 0.2180,
0.2851

■ 29.9226, 0.2180,
0.2851

■ 28.4808, 0.2128,
0.2788

■ 31.5807, 0.2251,
0.2914

■ 27.2129, 0.2093,
0.2726

■ 33.4756, 0.2341,
0.2977

■ 27.0405, 0.2088,
0.2717

■ 35.6285, 0.2448,
0.3038

■ 38.0572, 0.2570,
0.3096

■ 40.7778, 0.2704,
0.3152

■ 43.8051, 0.2847,
0.3204

■ 47.1527, 0.2996,
0.3252

■ 50.8335, 0.3149,
0.3296

■ 54.8595, 0.3302,
0.3335

Harmonies

Analogous

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



29.9226, 0.2351, 0.3332



29.9226, 0.2180, 0.2851



29.9226, 0.2233, 0.2548

Triad

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



29.9226, 0.2180, 0.2851



29.9226, 0.3489, 0.2805



29.9226, 0.3732, 0.4221

Complementary

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



29.9226, 0.2180, 0.2851



14.7757, 0.5560, 0.3558

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.



29.9226, 0.4086, 0.3973



29.9226, 0.2180, 0.2851



29.9226, 0.3954, 0.3173

Square

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



29.9226, 0.2180, 0.2851



29.9226, 0.2950, 0.2549



29.9226, 0.4177, 0.3588



29.9226, 0.3232, 0.4199

Rectangle

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



29.9226, 0.2180, 0.2851



29.9226, 0.2390, 0.2462



29.9226, 0.4177, 0.3588



29.9226, 0.3873, 0.4162

Sweetspot

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



29.9237, 0.2180, 0.2851



76.1294, 0.2763, 0.3174



36.8072, 0.2929, 0.5439



15.9618, 0.2713, 0.3156



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.



29.9237, 0.2180, 0.2851



49.9956, 0.2103, 0.2745



11.3160, 0.1836, 0.1530



10.5159, 0.2985, 0.3249



18.5057, 0.2090, 0.2725



0.8011, 0.2132, 0.2874

Inverse Universe

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



14.8352, 0.3574, 0.1892



24.0822, 0.3684, 0.1822



29.2423, 0.4620, 0.4455



9.6667, 0.3164, 0.3103



8.8979, 0.3705, 0.1815



0.3562, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 29.9226, 0.2180, 0.2851 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 29.9226, 0.2180, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

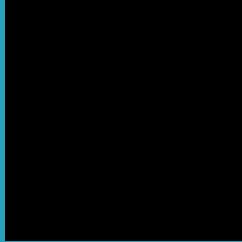
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9226, 0.2180, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 29.9226, 0.2180, 0.2851.

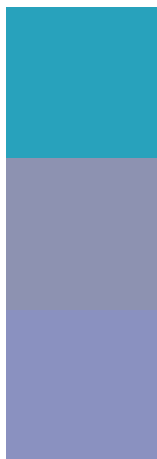


This preview shows how white text looks on a background with the Yxy color 29.9226, 0.2180, 0.2851.

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

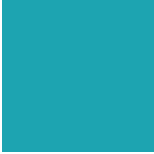
29.9226, 0.2180, 0.2851

Protanopia

29.3948, 0.2799, 0.2818

Deuteranopia

29.4598, 0.2653, 0.2594



Tritanopia

29.9865, 0.2217, 0.3062

Trichromacy



Original Color

29.9226, 0.2180, 0.2851

Protanomaly

28.7357, 0.2480, 0.2819

Deuteranomaly

28.7196, 0.2400, 0.2656

Tritanomaly

29.8539, 0.2201, 0.2978

Monochromacy



Original Color

29.9226, 0.2180, 0.2851

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.7931, 0.2621, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9226, 0.2180, 0.2851 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(40, 162, 188)` looks like.

```
.text, #text, p{  
    color:rgb(40, 162, 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(40, 162, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 162, 188) }
```

Border

The CSS property to change the border of an element to Yxy 29.9226, 0.2180, 0.2851 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(40, 162, 188) }
```

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

```
.border{ border-color:rgb(40, 162, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 162, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 162, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 162, 188);  
box-shadow:4px 4px 4px 4px rgb(40, 162,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9226, 0.2180, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 162, 188) }
```

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

```
.background{ background-color: rgb(40, 162,  
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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