

Converting Colors

$Yxy(29.4077, 0.2182, 0.2864)$

Have a look what the booklet for
Yxy(29.4077, 0.2182, 0.2864)
contains.

Yxy(29.4662, 0.2182, 0.2864)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4662, 0.2182, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	27A1BA
RGB	39, 161, 186
RGB Percent	15%, 63%, 73%
CMY	0.8465, 0.3687, 0.2705
CMYK	0.79, 0.13, 0.00, 0.27
HSL	190°, 65%, 44%
HSV	190°, 79%, 73%
XYZ	22.4495, 29.4662, 50.9691
YIQ	127.3720, -80.7370, -18.0890

Conversions

Conversions Part 2

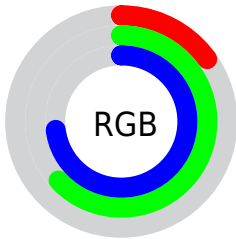
Format	Color
R _Y B	39, 106, 186
Decimal	2597306
CIE Lab	61.19, -23.65, -22.20
CIE LCh	61, 32.437, 223.195
Yxy	29.4662, 0.2182, 0.2864
Android (android.graphics.Color)	4280787386 (0xFF27A1BA)
YUV	127.3720, 28.9036, -77.5022
Hunter-Lab	54.2828, -21.1735, -17.6727

Details

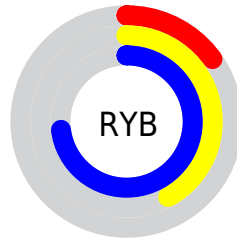
The Yxy color **29.4662, 0.2182, 0.2864** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.2737, 0.5583, 0.3547**, and the grayscale version is **21.2910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7737, 0.2362, 0.2960**, and **12.6307, 0.2089, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **28.0940, 0.2131, 0.2803**, and if you desaturate by 10%, it is **31.0467, 0.2252, 0.2925**.

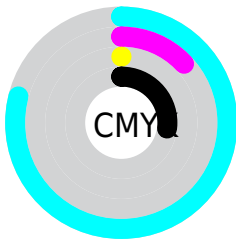
Distribution



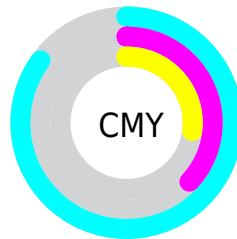
- Red (15%)
- Green (63%)
- Blue (73%)



- Red (15%)
- Yellow (42%)
- Blue (73%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (27%)





- Cyan (85%)
- Magenta (37%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4662, 0.2182, 0.2864 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 29.4662, 0.2182, 0.2864 by changing the saturation by 10% instead.


 29.4662, 0.2182,
0.2864


 29.4662, 0.2182,
0.2864


299.4083, 0.2670,
0.3105


 19.4338, 0.2057,
0.2794


 58.8170, 0.2362,
0.2959

 11.9841, 0.1896,
0.2699


 78.9041, 0.2429,
0.2992

 6.7329, 0.1681,
0.2563


 103.1116, 0.2485,
0.3020

 3.2956, 0.1387,
0.2355

 131.8239, 0.2533,
0.3042

 1.2879, 0.0941,
0.2020

 165.4253, 0.2575,
0.3062

 0.1318, 0.0000,
0.0650

204.3002, 0.2611,

 0.0000, 0.0000,

0.3078

0.0000

248.8331, 0.2642,
0.3093

■ 29.4662, 0.2182,
0.2864

■ 29.4662, 0.2182,
0.2864

■ 28.0940, 0.2131,
0.2803

■ 31.0467, 0.2252,
0.2925

■ 26.8862, 0.2097,
0.2743

■ 32.8555, 0.2340,
0.2985

■ 26.7649, 0.2094,
0.2737

■ 34.9134, 0.2446,
0.3044

■ 37.2377, 0.2566,
0.3101

■ 39.8442, 0.2699,
0.3155

■ 42.7473, 0.2842,
0.3205

■ 45.9602, 0.2991,
0.3252

■ 49.4956, 0.3143,
0.3294

■ 53.3651, 0.3296,
0.3333

Harmonies

Analogous

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



29.4662, 0.2360, 0.3349



29.4662, 0.2182, 0.2864



29.4662, 0.2228, 0.2554

Triad

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



29.4662, 0.2182, 0.2864



29.4662, 0.3472, 0.2795



29.4662, 0.3746, 0.4217

Complementary

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



29.4662, 0.2182, 0.2864



14.2737, 0.5583, 0.3547

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.



29.4662, 0.4094, 0.3962



29.4662, 0.2182, 0.2864



29.4662, 0.3942, 0.3160

Square

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



29.4662, 0.2182, 0.2864



29.4662, 0.2934, 0.2543



29.4662, 0.4175, 0.3574



29.4662, 0.3249, 0.4205

Rectangle

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



29.4662, 0.2182, 0.2864



29.4662, 0.2380, 0.2464



29.4662, 0.4175, 0.3574



29.4662, 0.3885, 0.4155

Sweetspot

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



29.4673, 0.2182, 0.2864



74.5369, 0.2764, 0.3178



35.9258, 0.2929, 0.5447



16.0088, 0.2713, 0.3160



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.



29.4673, 0.2182, 0.2864



49.2352, 0.2105, 0.2758



10.9750, 0.1832, 0.1523



9.9432, 0.2985, 0.3250



18.0981, 0.2096, 0.2745



0.7077, 0.2139, 0.2900

Inverse Universe

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



14.4743, 0.3563, 0.1881



23.5009, 0.3672, 0.1812



28.4966, 0.4625, 0.4456



9.1358, 0.3163, 0.3102



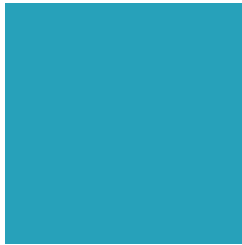
8.6093, 0.3686, 0.1804



0.3105, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 29.4662, 0.2182, 0.2864 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 29.4662, 0.2182, 0.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

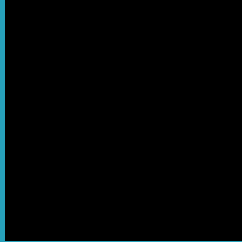
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4662, 0.2182, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 29.4662, 0.2182, 0.2864.



This preview shows how white text looks on a background with the Yxy color 29.4662, 0.2182, 0.2864.

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

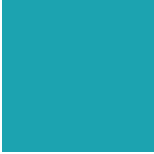
29.4662, 0.2182, 0.2864

Protanopia

28.9214, 0.2805, 0.2829

Deuteranopia

29.0675, 0.2666, 0.2605



Tritanopia

29.5759, 0.2216, 0.3060

Trichromacy



Original Color

29.4662, 0.2182, 0.2864



Protanomaly

28.2715, 0.2483, 0.2831



Deuteranomaly

28.3116, 0.2409, 0.2667



Tritanomaly

29.4430, 0.2199, 0.2977

Monochromacy



Original Color

29.4662, 0.2182, 0.2864



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.0363, 0.2616, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4662, 0.2182, 0.2864 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(39, 161, 186)` looks like.

```
.text, #text, p{  
    color:rgb(39, 161, 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(39, 161, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 161, 186) }
```

Border

The CSS property to change the border of an element to Yxy 29.4662, 0.2182, 0.2864 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(39, 161, 186) }
```

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

```
.border{ border-color:rgb(39, 161, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 161, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 161, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 161, 186);  
box-shadow:4px 4px 4px 4px rgb(39, 161,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4662, 0.2182, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 161, 186) }
```

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

```
.background{ background-color: rgb(39, 161,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor