

Converting Colors

$Yxy(27.5436, 0.2192, 0.2870)$

Have a look what the booklet for
Yxy(27.5436, 0.2192, 0.2870)
contains.

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Color

Yxy(27.5436, 0.2192, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	299CB4
RGB	41, 156, 180
RGB Percent	16%, 61%, 71%
CMY	0.8398, 0.3882, 0.2941
CMYK	0.77, 0.13, 0.00, 0.29
HSL	190°, 63%, 43%
HSV	190°, 77%, 71%
XYZ	21.0368, 27.5436, 47.3903
YIQ	124.3510, -76.2440, -16.9160

Conversions

Conversions Part 2

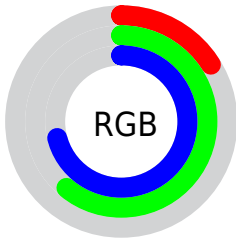
Format	Color
R _Y B	41, 104, 180
Decimal	2727092
CIE Lab	59.47, -22.87, -21.44
CIE LCh	59, 31.349, 223.149
Yxy	27.5436, 0.2192, 0.2870
Android (android.graphics.Color)	4280917172 (0xFF299CB4)
YUV	124.3510, 27.4350, -73.0988
Hunter-Lab	52.4820, -20.2939, -16.8005

Details

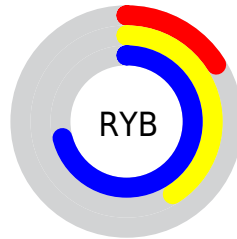
The Yxy color **27.5436, 0.2192, 0.2870** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6259, 0.5505, 0.3555**, and the grayscale version is **20.1915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8959, 0.2374, 0.2966**, and **11.4329, 0.2089, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **26.2281, 0.2138, 0.2809**, and if you desaturate by 10%, it is **29.0567, 0.2265, 0.2932**.

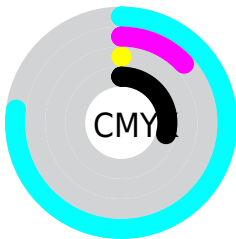
Distribution



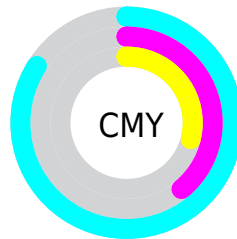
- Red (16%)
- Green (61%)
- Blue (71%)



- Red (16%)
- Yellow (41%)
- Blue (71%)



- Cyan (77%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)



- Cyan (84%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5436, 0.2192, 0.2870 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 27.5436, 0.2192, 0.2870 by changing the saturation by 10% instead.

■ 27.5436, 0.2192,
0.2870

■ 27.5436, 0.2192,
0.2870

■ 290.2796, 0.2681,
0.3110

■ 17.9819, 0.2065,
0.2799

■ 55.7549, 0.2374,
0.2965

■ 10.9370, 0.1900,
0.2702

■ 75.1734, 0.2441,
0.2998

■ 6.0245, 0.1678,
0.2562

■ 98.6462, 0.2497,
0.3026

■ 2.8600, 0.1370,
0.2344

■ 126.5578, 0.2545,
0.3048

■ 1.0591, 0.0828,
0.1999

■ 159.2925, 0.2586,
0.3067

■ 0.0000, 0.0000,
0.0000

197.2348, 0.2622,

0.3084

240.7690, 0.2653,
0.3098

■ 27.5436, 0.2192,
0.2870

■ 27.5436, 0.2192,
0.2870

■ 26.2281, 0.2138,
0.2809

■ 29.0567, 0.2265,
0.2932

■ 25.0769, 0.2101,
0.2748

■ 30.7850, 0.2357,
0.2992

■ 24.7801, 0.2092,
0.2731

■ 32.7474, 0.2465,
0.3052

■ 34.9596, 0.2588,
0.3108

■ 37.4358, 0.2723,
0.3162

■ 40.1892, 0.2867,
0.3212

■ 43.2319, 0.3016,
0.3259

■ 46.5754, 0.3168,
0.3301

■ 50.2303, 0.3321,
0.3339

Harmonies

Analogous

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



27.5436, 0.2369, 0.3350



27.5436, 0.2192, 0.2870



27.5436, 0.2237, 0.2563

Triad

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



27.5436, 0.2192, 0.2870



27.5436, 0.3467, 0.2800



27.5436, 0.3740, 0.4206

Complementary

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



27.5436, 0.2192, 0.2870



13.6259, 0.5505, 0.3555

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.



27.5436, 0.4083, 0.3955



27.5436, 0.2192, 0.2870



27.5436, 0.3932, 0.3161

Square

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



27.5436, 0.2192, 0.2870



27.5436, 0.2936, 0.2550



27.5436, 0.4162, 0.3572



27.5436, 0.3249, 0.4194

Rectangle

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



27.5436, 0.2192, 0.2870



27.5436, 0.2388, 0.2473



27.5436, 0.4162, 0.3572



27.5436, 0.3878, 0.4145

Sweetspot

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



27.5446, 0.2192, 0.2870



69.7662, 0.2779, 0.3182



33.4839, 0.2928, 0.5400



14.7057, 0.2728, 0.3164



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



27.5446, 0.2192, 0.2870



46.0121, 0.2110, 0.2764



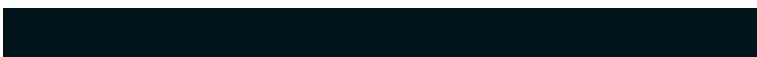
10.6185, 0.1856, 0.1567



9.3772, 0.2986, 0.3250



17.3802, 0.2094, 0.2739



0.6125, 0.2141, 0.2908

Inverse Universe

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



13.6802, 0.3555, 0.1899



22.0076, 0.3665, 0.1817



26.8086, 0.4593, 0.4446



8.6211, 0.3163, 0.3104



8.2947, 0.3692, 0.1807



0.2676, 0.3536, 0.1722

Previews

White Background



This preview shows how the Yxy color 27.5436, 0.2192, 0.2870 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 27.5436, 0.2192, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

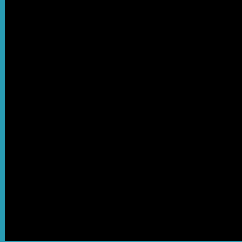
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5436, 0.2192, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 27.5436, 0.2192, 0.2870.



This preview shows how white text looks on a background with the Yxy color 27.5436, 0.2192, 0.2870.

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

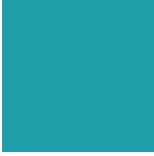
27.5436, 0.2192, 0.2870

Protanopia

27.1863, 0.2806, 0.2833

Deuteranopia

27.2852, 0.2671, 0.2616



Tritanopia

27.6631, 0.2230, 0.3072

Trichromacy



Original Color

27.5436, 0.2192, 0.2870



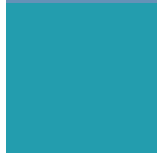
Protanomaly

26.3805, 0.2488, 0.2819



Deuteranomaly

26.6860, 0.2422, 0.2683



Tritanomaly

27.5273, 0.2211, 0.2986

Monochromacy



Original Color

27.5436, 0.2192, 0.2870



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.0016, 0.2632, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5436, 0.2192, 0.2870 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(41, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(41, 156, 180)  
}
```

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(41, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 156, 180) }
```

Border

The CSS property to change the border of an element to Yxy 27.5436, 0.2192, 0.2870 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(41, 156, 180) }
```

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

```
.border{ border-color:rgb(41, 156, 180) }
```

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

Here you see how a box with a 4 pixel rgb(41, 156, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(41, 156,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5436, 0.2192, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 156, 180) }
```

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

```
.background{ background-color: rgb(41, 156,  
180) }
```

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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