

Converting Colors

$Y_{xy}(27.1858, 0.2379, 0.2976)$

Have a look what the booklet for
Yxy(27.1858, 0.2379, 0.2976)
contains.

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Color

$Y_{xy}(27.3005, 0.2376, 0.2975)$

Conversions

Conversions Part 1

Format	Color
Hex	4D99AB
RGB	77, 153, 171
RGB Percent	30%, 60%, 67%
CMY	0.6981, 0.4000, 0.3293
CMYK	0.55, 0.11, 0.00, 0.33
HSL	192°, 38%, 49%
HSV	192°, 55%, 67%
XYZ	21.8037, 27.3005, 42.6622
YIQ	132.3280, -51.0740, -10.5140

Conversions

Conversions Part 2

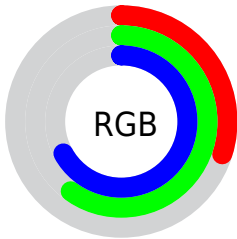
Format	Color
RYB	77, 119, 171
Decimal	5085611
CIELab	59.25, -18.28, -16.61
CIElCh	59, 24.697, 222.251
Yxy	27.3005, 0.2376, 0.2975
Android (android.graphics.Color)	4283275691 (0xFF4D99AB)
YUV	132.3280, 19.0653, -48.5227
Hunter-Lab	52.2499, -16.9499, -11.8356

Details

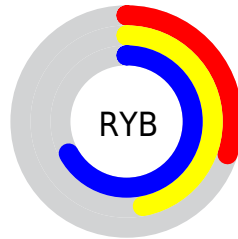
The Yxy color **27.3005, 0.2376, 0.2975** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.3843, 0.4554, 0.3561**, and the grayscale version is **23.1426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1032, 0.2526, 0.3044**, and **10.8540, 0.2131, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **25.6227, 0.2278, 0.2908**, and if you desaturate by 10%, it is **29.1969, 0.2490, 0.3040**.

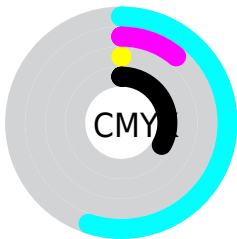
Distribution



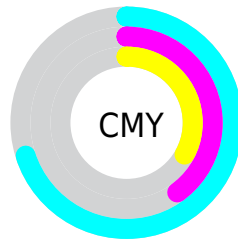
- Red (30%)
- Green (60%)
- Blue (67%)



- Red (30%)
- Yellow (47%)
- Blue (67%)



- Cyan (55%)
- Magenta (11%)
- Yellow (0%)
- Black (33%)



- Cyan (70%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3005, 0.2376, 0.2975 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 27.3005, 0.2376, 0.2975 by changing the saturation by 10% instead.

■ 27.3005, 0.2376,
0.2975

■ 27.3005, 0.2376,
0.2975

■ 289.1092, 0.2774,
0.3155

■ 17.7990, 0.2270,
0.2922

■ 55.3657, 0.2526,
0.3046

■ 10.8058, 0.2130,
0.2848

■ 74.6982, 0.2580,
0.3071

■ 5.9364, 0.1938,
0.2740

■ 98.0766, 0.2626,
0.3092

■ 2.8064, 0.1661,
0.2568

■ 125.8851, 0.2664,
0.3109

■ 1.0315, 0.1166,
0.2282

■ 158.5082, 0.2698,
0.3123

■ 0.0000, 0.0000,
0.0000

196.3303, 0.2726,

0.3135

239.7359, 0.2751,
0.3146

■ 27.3005, 0.2376,
0.2975

■ 27.3005, 0.2376,
0.2975

■ 25.6227, 0.2278,
0.2908

■ 29.1969, 0.2490,
0.3040

■ 24.1451, 0.2197,
0.2839

■ 31.3223, 0.2618,
0.3103

■ 22.8513, 0.2136,
0.2770

■ 33.6903, 0.2756,
0.3162

■ 21.7197, 0.2093,
0.2702

■ 36.3121, 0.2902,
0.3216

■ 21.1878, 0.2074,
0.2668

■ 39.1985, 0.3052,
0.3267

■ 42.3594, 0.3203,
0.3312

■ 45.8043, 0.3354,
0.3353

■ 49.5419, 0.3503,
0.3390

■ 53.5810, 0.3648,
0.3422

Harmonies

Analogous

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



27.3005, 0.2529, 0.3356



27.3005, 0.2376, 0.2975



27.3005, 0.2407, 0.2717

Triad

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



27.3005, 0.2376, 0.2975



27.3005, 0.3387, 0.2888



27.3005, 0.3632, 0.4012

Complementary

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



27.3005, 0.2376, 0.2975



17.3843, 0.4554, 0.3561

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.



27.3005, 0.3893, 0.3823



27.3005, 0.2376, 0.2975



27.3005, 0.3753, 0.3184

Square

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



27.3005, 0.2376, 0.2975



27.3005, 0.2967, 0.2687



27.3005, 0.3942, 0.3518



27.3005, 0.3244, 0.3996

Rectangle

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



27.3005, 0.2376, 0.2975



27.3005, 0.2527, 0.2635



27.3005, 0.3942, 0.3518



27.3005, 0.3738, 0.3968

Sweetspot

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



27.3015, 0.2376, 0.2975



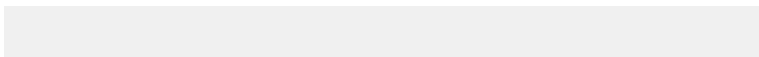
64.3733, 0.2882, 0.3210



31.5263, 0.2939, 0.4714



14.1415, 0.2853, 0.3199



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.3015, 0.2376, 0.2975



45.2651, 0.2259, 0.2893



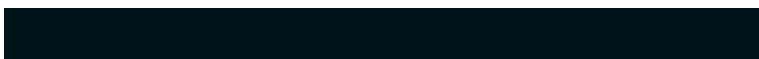
14.9859, 0.2196, 0.2103



8.8072, 0.2986, 0.3245



16.0396, 0.2076, 0.2674



0.5123, 0.2134, 0.2880

Inverse Universe

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



16.2674, 0.3433, 0.2216



24.4817, 0.3522, 0.2036



28.3203, 0.4132, 0.4224



8.1213, 0.3166, 0.3109



7.9223, 0.3753, 0.1841



0.2271, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 27.3005, 0.2376, 0.2975 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 27.3005, 0.2376, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

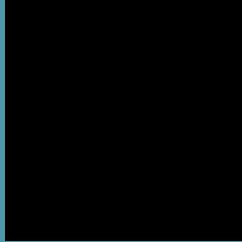
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3005, 0.2376, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 27.3005, 0.2376, 0.2975.



This preview shows how white text looks on a background with the Yxy color 27.3005, 0.2376, 0.2975.

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

27.3005, 0.2376, 0.2975

Protanopia

27.0974, 0.2887, 0.2939

Deuteranopia

27.0102, 0.2799, 0.2747



Tritanopia

27.3602, 0.2400, 0.3076

Trichromacy



Original Color

27.3005, 0.2376, 0.2975

Protanomaly

26.7170, 0.2664, 0.2940

Deuteranomaly

26.6767, 0.2608, 0.2815

Tritanomaly

27.4749, 0.2393, 0.3043

Monochromacy



Original Color

27.3005, 0.2376, 0.2975

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.2762, 0.2785, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3005, 0.2376, 0.2975 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(77, 153, 171)` looks like.

```
.text, #text, p{  
    color:rgb(77, 153, 171)  
}
```

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(77, 153, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 153, 171) }
```

Border

The CSS property to change the border of an element to Yxy 27.3005, 0.2376, 0.2975 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(77, 153, 171) }
```

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

```
.border{ border-color:rgb(77, 153, 171) }
```

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

Here you see how a box with a 4 pixel rgb(77, 153, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 153, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 153, 171);  
box-shadow:4px 4px 4px 4px rgb(77, 153,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3005, 0.2376, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 153, 171) }
```

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

```
.background{ background-color: rgb(77, 153,  
171) }
```

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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