

Converting Colors

$Yxy(27.5473, 0.2348, 0.3400)$

Have a look what the booklet for
Yxy(27.5473, 0.2348, 0.3400)
contains.

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Color

Yxy(27.5473, 0.2348, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	289F99
RGB	40, 159, 153
RGB Percent	16%, 62%, 60%
CMY	0.8430, 0.3765, 0.4000
CMYK	0.75, 0.00, 0.04, 0.38
HSL	177°, 60%, 39%
HSV	177°, 75%, 62%
XYZ	19.0238, 27.5473, 34.4503
YIQ	122.7350, -68.9980, -27.0940

Conversions

Conversions Part 2

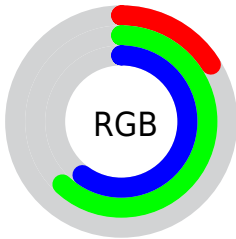
Format	Color
R _Y B	40, 101, 159
Decimal	2662297
CIE Lab	59.48, -32.86, -6.15
CIE LCh	59, 33.429, 190.600
Yxy	27.5473, 0.2348, 0.3400
Android (android.graphics.Color)	4280852377 (0xFF289F99)
YUV	122.7350, 14.9206, -72.5586
Hunter-Lab	52.4855, -27.1508, -2.1768

Details

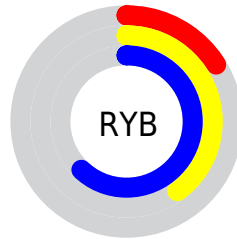
The Yxy color **27.5473, 0.2348, 0.3400** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0891, 0.5522, 0.3227**, and the grayscale version is **19.6869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6623, 0.2508, 0.3383**, and **11.4747, 0.2285, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **27.2659, 0.2313, 0.3416**, and if you desaturate by 10%, it is **27.9621, 0.2401, 0.3384**.

Distribution



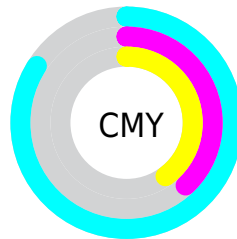
- Red (16%)
- Green (62%)
- Blue (60%)



- Red (16%)
- Yellow (40%)
- Blue (62%)



- Cyan (75%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



- Cyan (84%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5473, 0.2348, 0.3400 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 27.5473, 0.2348, 0.3400 by changing the saturation by 10% instead.


 27.5473, 0.2348,
0.3400


 27.5473, 0.2348,
0.3400


290.2974, 0.2763,
0.3349


 17.9847, 0.2236,
0.3410


 55.7609, 0.2505,
0.3383


 10.9390, 0.2087,
0.3422


 75.1806, 0.2562,
0.3376

 6.0258, 0.1881,
0.3432

 98.6549, 0.2610,
0.3370

 2.8608, 0.1580,
0.3435

 126.5680, 0.2650,
0.3365

 1.0595, 0.0658,
0.3575

 159.3044, 0.2684,
0.3360

 0.0000, 0.0000,
0.0000

197.2485, 0.2714,

0.3356

240.7847, 0.2740,
0.3352

■ 27.5473, 0.2348,
0.3400

■ 27.5473, 0.2348,
0.3400

■ 27.2659, 0.2313,
0.3416

■ 27.9621, 0.2401,
0.3384

■ 27.0969, 0.2295,
0.3433

■ 28.5215, 0.2472,
0.3367

■ 27.0301, 0.2289,
0.3441

■ 29.2389, 0.2562,
0.3351

■ 30.1256, 0.2667,
0.3336

■ 31.1917, 0.2787,
0.3322

■ 32.4465, 0.2918,
0.3308

■ 33.8986, 0.3058,
0.3296

■ 35.5563, 0.3203,
0.3284

■ 37.4272, 0.3353,
0.3274

Harmonies

Analogous

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



27.5473, 0.2763, 0.3947



27.5473, 0.2348, 0.3400



27.5473, 0.2143, 0.2877

Triad

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



27.5473, 0.2348, 0.3400



27.5473, 0.2876, 0.2492



27.5473, 0.4163, 0.3961

Complementary

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



27.5473, 0.2348, 0.3400



9.0891, 0.5522, 0.3227

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.



27.5473, 0.4223, 0.3546



27.5473, 0.2348, 0.3400



27.5473, 0.3440, 0.2742

Square

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



27.5473, 0.2348, 0.3400



27.5473, 0.2426, 0.2413



27.5473, 0.3952, 0.3115



27.5473, 0.3816, 0.4251

Rectangle

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



27.5473, 0.2348, 0.3400



27.5473, 0.2136, 0.2625



27.5473, 0.3952, 0.3115



27.5473, 0.4220, 0.3830

Sweetspot

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



27.5483, 0.2348, 0.3400



56.3683, 0.2817, 0.3318



25.5777, 0.3058, 0.5586



12.5877, 0.2785, 0.3322



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.5483, 0.2348, 0.3400



48.6026, 0.2299, 0.3428



13.5652, 0.2047, 0.2232



7.5037, 0.2995, 0.3301



21.3510, 0.2289, 0.3440



0.3833, 0.2271, 0.3374

Inverse Universe

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



9.0891, 0.5522, 0.3227



13.8183, 0.6150, 0.3256



15.1082, 0.4922, 0.4025



6.6513, 0.3276, 0.3279



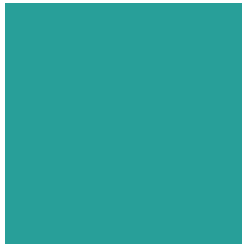
5.8376, 0.6329, 0.3260



0.1058, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 27.5473, 0.2348, 0.3400 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 27.5473, 0.2348, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

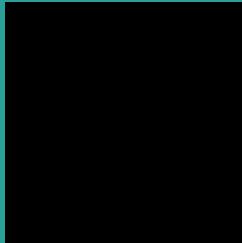
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5473, 0.2348, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 27.5473, 0.2348, 0.3400.

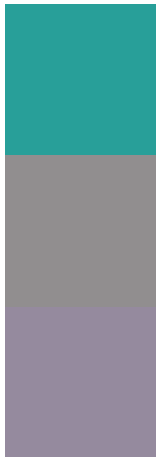


This preview shows how white text looks on a background with the Yxy color 27.5473, 0.2348, 0.3400.

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

27.5473, 0.2348, 0.3400

Protanopia

27.3489, 0.3149, 0.3274

Deuteranopia

27.0351, 0.3046, 0.2978



Tritanopia

27.6823, 0.2286, 0.3074

Trichromacy



Original Color

27.5473, 0.2348, 0.3400



Protanomaly

26.4122, 0.2744, 0.3307



Deuteranomaly

26.2093, 0.2685, 0.3116



Tritanomaly

27.7024, 0.2309, 0.3197

Monochromacy



Original Color

27.5473, 0.2348, 0.3400



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.6567, 0.2707, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5473, 0.2348, 0.3400 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, 159, 153)` looks like.

```
.text, #text, p{  
  color:rgb(40, 159, 153)  
}
```

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, 159, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 159, 153) }
```

Border

The CSS property to change the border of an element to Yxy 27.5473, 0.2348, 0.3400 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, 159, 153) }
```

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

```
.border{ border-color:rgb(40, 159, 153) }
```

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

Here you see how a box with a 4 pixel rgb(40, 159, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 159, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 159, 153);  
box-shadow:4px 4px 4px 4px rgb(40, 159,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5473, 0.2348, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 159, 153) }
```

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

```
.background{ background-color: rgb(40, 159,  
153) }
```

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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