

Converting Colors

$Yxy(27.2927, 0.2339, 0.3555)$

Have a look what the booklet for
Yxy(27.2927, 0.2339, 0.3555)
contains.

Yxy(27.3271, 0.2340, 0.3557)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3271, 0.2340, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	10A092
RGB	16, 160, 146
RGB Percent	6%, 63%, 57%
CMY	0.9358, 0.3726, 0.4274
CMYK	0.90, 0.00, 0.09, 0.37
HSL	174°, 81%, 35%
HSV	174°, 90%, 63%
XYZ	17.9773, 27.3271, 31.5218
YIQ	115.3480, -81.3300, -34.8820

Conversions

Conversions Part 2

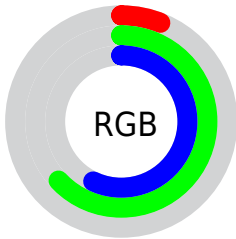
Format	Color
R_{YB}	16, 92, 160
Decimal	1089682
CIE _{Lab}	59.28, -37.45, -2.52
CIE _{LCh}	59, 37.538, 183.850
Y _{xy}	27.3271, 0.2340, 0.3557
Android (android.graphics.Color)	4279279762 (0xFF10A092)
YUV	115.3480, 15.1114, -87.1282
Hunter-Lab	52.2753, -30.0962, 0.8411

Details

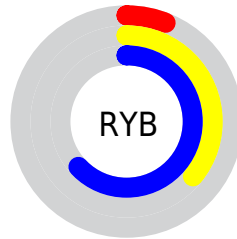
The Yxy color **27.3271, 0.2340, 0.3557** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.9500, 0.6000, 0.3196**, and the grayscale version is **17.2610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2039, 0.2499, 0.3497**, and **11.5697, 0.2339, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **27.1689, 0.2331, 0.3590**, and if you desaturate by 10%, it is **27.5765, 0.2363, 0.3524**.

Distribution



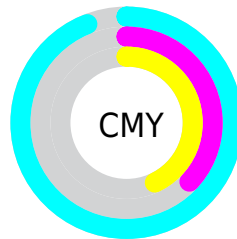
- Red (6%)
- Green (63%)
- Blue (57%)



- Red (6%)
- Yellow (36%)
- Blue (63%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (37%)





- Cyan (94%)
- Magenta (37%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3271, 0.2340, 0.3557 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 27.3271, 0.2340, 0.3557 by changing the saturation by 10% instead.


 27.3271, 0.2340,
0.3557


 27.3271, 0.2340,
0.3557


289.2374, 0.2762,
0.3417


 17.8190, 0.2225,
0.3593


 55.4083, 0.2500,
0.3505


 10.8201, 0.2072,
0.3641


 74.7503, 0.2559,
0.3486

 5.9460, 0.1858,
0.3705

 98.1389, 0.2607,
0.3470

 2.8123, 0.1543,
0.3793

 125.9588, 0.2648,
0.3456

 1.0345, 0.0254,
0.4258

 158.5941, 0.2683,
0.3444

 0.0000, 0.0000,
0.0000

 196.4294, 0.2713,

0.3434

239.8491, 0.2739,
0.3425

■ 27.3271, 0.2340,
0.3557

■ 27.3271, 0.2340,
0.3557

■ 27.1689, 0.2331,
0.3590

■ 27.5765, 0.2363,
0.3524

■ 27.1655, 0.2331,
0.3590

■ 27.9503, 0.2403,
0.3491

■ 28.4654, 0.2463,
0.3459

■ 29.1354, 0.2540,
0.3427

■ 29.9721, 0.2634,
0.3396

■ 30.9863, 0.2743,
0.3366

■ 32.1878, 0.2863,
0.3339

■ 33.5859, 0.2993,
0.3313

■ 35.1890, 0.3130,
0.3290

Harmonies

Analogous

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



27.3271, 0.2842, 0.4154



27.3271, 0.2340, 0.3557



27.3271, 0.2061, 0.2936

Triad

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



27.3271, 0.2340, 0.3557



27.3271, 0.2714, 0.2368



27.3271, 0.4335, 0.3929

Complementary

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



27.3271, 0.2340, 0.3557



7.9500, 0.6000, 0.3196

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.



27.3271, 0.4324, 0.3455



27.3271, 0.2340, 0.3557



27.3271, 0.3330, 0.2605

Square

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



27.3271, 0.2340, 0.3557



27.3271, 0.2261, 0.2324



27.3271, 0.3943, 0.2989



27.3271, 0.4001, 0.4309

Rectangle

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



27.3271, 0.2340, 0.3557



27.3271, 0.2017, 0.2623



27.3271, 0.3943, 0.2989



27.3271, 0.4374, 0.3775

Sweetspot

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



27.3281, 0.2340, 0.3557



56.7281, 0.2769, 0.3360



25.4649, 0.3046, 0.5866



12.3002, 0.2732, 0.3369



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.



27.3281, 0.2340, 0.3557



49.3125, 0.2332, 0.3596



12.2609, 0.1938, 0.2090



7.4983, 0.3001, 0.3312



21.1670, 0.2330, 0.3587



0.3814, 0.2293, 0.3456

Inverse Universe

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



7.9500, 0.6000, 0.3196



13.6217, 0.6300, 0.3244



12.3845, 0.5421, 0.3943



6.6561, 0.3269, 0.3269



5.8533, 0.6259, 0.3222



0.1074, 0.5680, 0.2902

Previews

White Background



This preview shows how the Yxy color 27.3271, 0.2340, 0.3557 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 27.3271, 0.2340, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

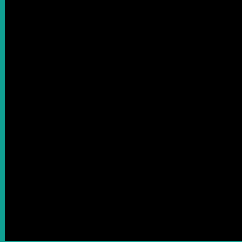
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3271, 0.2340, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 27.3271, 0.2340, 0.3557.

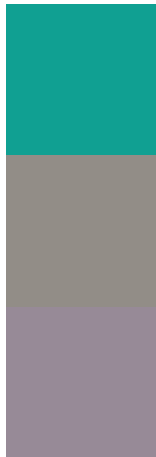


This preview shows how white text looks on a background with the Yxy color 27.3271, 0.2340, 0.3557.

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

27.3271, 0.2340, 0.3557

Protanopia

26.9100, 0.3242, 0.3388

Deuteranopia

26.9906, 0.3137, 0.3086



Tritanopia

27.4708, 0.2256, 0.3072

Trichromacy



Original Color

27.3271, 0.2340, 0.3557



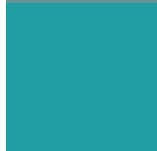
Protanomaly

25.6965, 0.2741, 0.3454



Deuteranomaly

25.5525, 0.2682, 0.3235



Tritanomaly

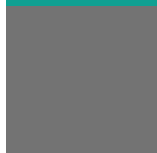
27.3503, 0.2279, 0.3232

Monochromacy



Original Color

27.3271, 0.2340, 0.3557



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.4012, 0.2641, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3271, 0.2340, 0.3557 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(16, 160, 146)` looks like.

```
.text, #text, p{  
    color:rgb(16, 160, 146)  
}
```

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(16, 160, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 160, 146) }
```

Border

The CSS property to change the border of an element to Yxy 27.3271, 0.2340, 0.3557 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(16, 160, 146) }
```

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

```
.border{ border-color:rgb(16, 160, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 160, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 160, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 160, 146);  
box-shadow:4px 4px 4px 4px rgb(16, 160,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3271, 0.2340, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 160, 146) }
```

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

```
.background{ background-color: rgb(16, 160,  
146) }
```

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