

Converting Colors

$Yxy(27.1400, 0.2363, 0.3705)$

Have a look what the booklet for
Yxy(27.1400, 0.2363, 0.3705)
contains.

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Color

Yxy(27.0057, 0.2361, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	00A08B
RGB	0, 160, 139
RGB Percent	0%, 63%, 55%
CMY	1.0000, 0.3725, 0.4549
CMYK	1.00, 0.00, 0.13, 0.37
HSL	172°, 100%, 31%
HSV	172°, 100%, 63%
XYZ	17.2279, 27.0057, 28.7351
YIQ	109.7660, -88.6190, -40.4510

Conversions

Conversions Part 2

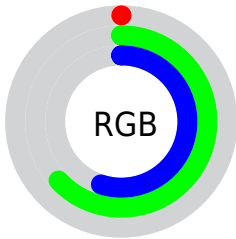
Format	Color
RYB	0, 86, 160
Decimal	41099
CIELab	58.98, -40.22, 0.99
CIELCh	59, 40.234, 178.592
Yxy	27.0057, 0.2361, 0.3701
Android (android.graphics.Color)	4278231179 (0xFF00A08B)
YUV	109.7660, 14.4124, -96.2648
Hunter-Lab	51.9670, -31.7666, 3.5926

Details

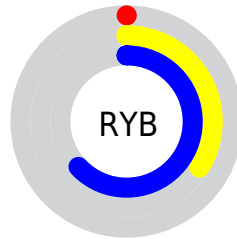
The Yxy color **27.0057, 0.2361, 0.3701** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5287, 0.6213, 0.3196**, and the grayscale version is **15.5013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1417, 0.2525, 0.3627**, and **11.2367, 0.2390, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **27.0092, 0.2361, 0.3701**, and if you desaturate by 10%, it is **27.1814, 0.2368, 0.3656**.

Distribution



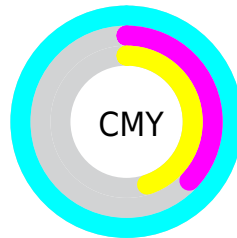
- Red (0%)
- Green (63%)
- Blue (55%)



- Red (0%)
- Yellow (34%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0057, 0.2361, 0.3701 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 27.0057, 0.2361, 0.3701 by changing the saturation by 10% instead.

 27.0057, 0.2361,
0.3701


 27.0057, 0.2361,
0.3701


287.6847, 0.2776,
0.3477

 17.5775, 0.2247,
0.3763


 54.8930, 0.2520,
0.3615

 10.6471, 0.2093,
0.3847


 74.1209, 0.2577,
0.3584

 5.8301, 0.1877,
0.3967

 97.3842, 0.2624,
0.3559

 2.7420, 0.1554,
0.4148

 125.0672, 0.2664,
0.3537

 0.9986, 0.0000,
0.4961

 157.5544, 0.2698,
0.3519

 0.0000, 0.0000,
0.0000

 195.2301, 0.2727,

0.3503

238.4787, 0.2753,
0.3490

■ 27.0057, 0.2361,
0.3701

■ 27.0057, 0.2361,
0.3701

■ 27.0092, 0.2361,
0.3701

■ 27.1814, 0.2368,
0.3656

■ 27.4415, 0.2387,
0.3611

■ 27.8272, 0.2425,
0.3566

■ 28.3544, 0.2482,
0.3521

■ 29.0367, 0.2556,
0.3477

■ 29.8861, 0.2647,
0.3435

■ 30.9134, 0.2752,
0.3395

■ 32.1284, 0.2869,
0.3357

■ 33.5403, 0.2995,
0.3322

Harmonies

Analogous

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



27.0057, 0.2926, 0.4312



27.0057, 0.2361, 0.3701



27.0057, 0.2021, 0.3009

Triad

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



27.0057, 0.2361, 0.3701



27.0057, 0.2582, 0.2284



27.0057, 0.4450, 0.3878

Complementary

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



27.0057, 0.2361, 0.3701



7.5287, 0.6213, 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.



27.0057, 0.4371, 0.3369



27.0057, 0.2361, 0.3701



27.0057, 0.3220, 0.2503

Square

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



27.0057, 0.2361, 0.3701



27.0057, 0.2142, 0.2275



27.0057, 0.3900, 0.2886



27.0057, 0.4143, 0.4319

Rectangle

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



27.0057, 0.2361, 0.3701



27.0057, 0.1944, 0.2647



27.0057, 0.3900, 0.2886



27.0057, 0.4471, 0.3710

Sweetspot

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



27.0092, 0.2361, 0.3701



56.0058, 0.2746, 0.3397



25.3079, 0.3040, 0.5969



12.1145, 0.2703, 0.3412



80.7346, 0.3127, 0.3290



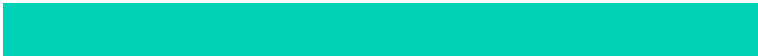
13.9985, 0.3127, 0.3290

Same Dimension

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



27.0092, 0.2361, 0.3701



49.0134, 0.2364, 0.3709



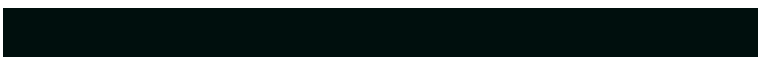
11.9117, 0.1905, 0.2056



7.4945, 0.3005, 0.3319



21.0417, 0.2360, 0.3697



0.3800, 0.2310, 0.3517

Inverse Universe

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



7.5287, 0.6213, 0.3196



13.6511, 0.6245, 0.3214



10.5686, 0.5770, 0.3800



6.6596, 0.3264, 0.3261



5.8679, 0.6196, 0.3187



0.1085, 0.5477, 0.2791

Previews

White Background



This preview shows how the Yxy color 27.0057, 0.2361, 0.3701 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 27.0057, 0.2361, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

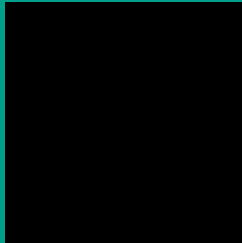
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0057, 0.2361, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 27.0057, 0.2361, 0.3701.

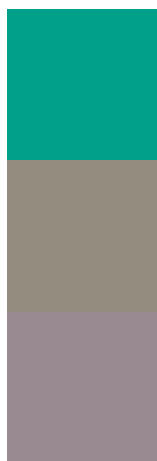


This preview shows how white text looks on a background with the Yxy color 27.0057, 0.2361, 0.3701.

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

27.0057, 0.2361, 0.3701

Protanopia

26.8113, 0.3326, 0.3504

Deuteranopia

26.6772, 0.3232, 0.3180



Tritanopia

27.1177, 0.2260, 0.3071

Trichromacy



Original Color

27.0057, 0.2361, 0.3701



Protanomaly

25.2254, 0.2756, 0.3590



Deuteranomaly

24.7452, 0.2694, 0.3344



Tritanomaly

26.7813, 0.2283, 0.3288

Monochromacy



Original Color

27.0057, 0.2361, 0.3701



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.1209, 0.2600, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0057, 0.2361, 0.3701 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(0, 160, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 139)  
}
```

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(0, 160, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 139) }
```

Border

The CSS property to change the border of an element to Yxy 27.0057, 0.2361, 0.3701 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(0, 160, 139) }
```

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

```
.border{ border-color:rgb(0, 160, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0057, 0.2361, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 139) }
```

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

```
.background{ background-color: rgb(0, 160,  
139) }
```

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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