

Converting Colors

$Yxy(27.7053, 0.2179, 0.3018)$

Have a look what the booklet for
Yxy(27.7053, 0.2179, 0.3018)
contains.

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Color

Yxy(27.5613, 0.2174, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	089EAE
RGB	8, 158, 174
RGB Percent	3%, 62%, 68%
CMY	0.9689, 0.3804, 0.3176
CMYK	0.95, 0.09, 0.00, 0.32
HSL	186°, 91%, 36%
HSV	186°, 95%, 68%
XYZ	19.9661, 27.5613, 44.3130
YIQ	114.9740, -94.5360, -26.8240

Conversions

Conversions Part 2

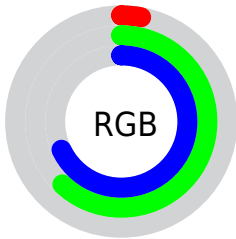
Format	Color
RYB	8, 87, 174
Decimal	564910
CIELab	59.49, -28.16, -18.06
CIELCh	59, 33.454, 212.668
Yxy	27.5613, 0.2174, 0.3001
Android (android.graphics.Color)	4278754990 (0xFF089EAE)
YUV	114.9740, 29.0998, -93.8162
Hunter-Lab	52.4989, -23.9868, -13.2960

Details

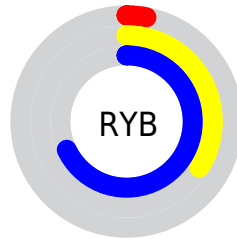
The Yxy color **27.5613, 0.2174, 0.3001** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6664, 0.6223, 0.3375**, and the grayscale version is **17.0611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7324, 0.2361, 0.3077**, and **11.7132, 0.2135, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **27.2516, 0.2163, 0.2986**, and if you desaturate by 10%, it is **28.2978, 0.2204, 0.3033**.

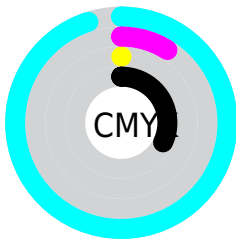
Distribution



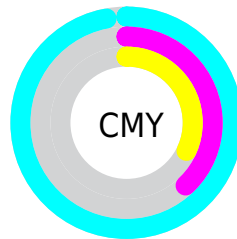
- Red (3%)
- Green (62%)
- Blue (68%)



- Red (3%)
- Yellow (34%)
- Blue (68%)



- Cyan (95%)
- Magenta (9%)
- Yellow (0%)
- Black (32%)





- Cyan (97%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5613, 0.2174, 0.3001 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 27.5613, 0.2174, 0.3001 by changing the saturation by 10% instead.

 27.5613, 0.2174,
0.3001


 27.5613, 0.2174,
0.3001


 290.3647, 0.2673,
0.3173

 17.9952, 0.2044,
0.2948


 55.7833, 0.2360,
0.3071

 10.9466, 0.1875,
0.2872


 75.2080, 0.2428,
0.3095


 6.0309, 0.1647,
0.2759

 98.6876, 0.2486,
0.3114

 2.8639, 0.1330,
0.2576

 126.6067, 0.2534,
0.3130

 1.0611, 0.0674,
0.2298

 159.3495, 0.2576,
0.3144

 0.0000, 0.0000,
0.0000

 197.3005, 0.2613,

0.3155

240.8441, 0.2645,
0.3165

■ 27.5613, 0.2174,
0.3001

■ 27.5613, 0.2174,
0.3001

■ 27.2516, 0.2163,
0.2986

■ 28.2978, 0.2204,
0.3033

■ 29.1782, 0.2252,
0.3066

■ 30.2266, 0.2319,
0.3099

■ 31.4611, 0.2404,
0.3132

■ 32.8976, 0.2506,
0.3164

■ 34.5501, 0.2624,
0.3195

■ 36.4313, 0.2755,
0.3224

■ 38.5531, 0.2896,
0.3252

■ 40.9263, 0.3044,
0.3277

Harmonies

Analogous

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



27.5613, 0.2439, 0.3552



27.5613, 0.2174, 0.3001



27.5613, 0.2141, 0.2604

Triad

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



27.5613, 0.2174, 0.3001



27.5613, 0.3288, 0.2662



27.5613, 0.3930, 0.4195

Complementary

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



27.5613, 0.2174, 0.3001



9.6664, 0.6223, 0.3375

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.



27.5613, 0.4211, 0.3858



27.5613, 0.2174, 0.3001



27.5613, 0.3833, 0.3008

Square

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



27.5613, 0.2174, 0.3001



27.5613, 0.2741, 0.2453



27.5613, 0.4183, 0.3431



27.5613, 0.3445, 0.4301

Rectangle

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



27.5613, 0.2174, 0.3001



27.5613, 0.2247, 0.2460



27.5613, 0.4183, 0.3431



27.5613, 0.4053, 0.4101

Sweetspot

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



27.5623, 0.2174, 0.3001



64.6414, 0.2700, 0.3212



30.3814, 0.2983, 0.5892



14.0543, 0.2646, 0.3200



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.5623, 0.2174, 0.3001



49.2476, 0.2161, 0.2981



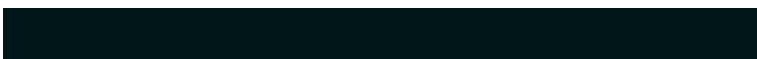
8.4322, 0.1735, 0.1406



8.9382, 0.2986, 0.3267



19.8126, 0.2164, 0.2990



0.5885, 0.2191, 0.3088

Inverse Universe

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



11.6398, 0.3452, 0.1694



20.7348, 0.3471, 0.1686



19.0794, 0.5082, 0.4304



8.1346, 0.3152, 0.3088



8.3031, 0.3463, 0.1681



0.2347, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 27.5613, 0.2174, 0.3001 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 27.5613, 0.2174, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

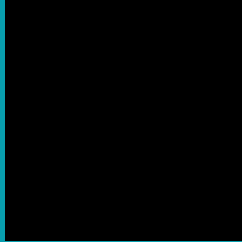
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5613, 0.2174, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 27.5613, 0.2174, 0.3001.

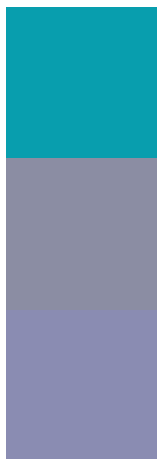


This preview shows how white text looks on a background with the Yxy color 27.5613, 0.2174, 0.3001.

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

27.5613, 0.2174, 0.3001

Protanopia

27.1831, 0.2897, 0.2940

Deuteranopia

27.3738, 0.2756, 0.2705



Tritanopia

27.3940, 0.2181, 0.3052

Trichromacy



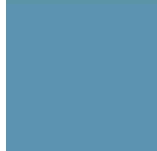
Original Color

27.5613, 0.2174, 0.3001



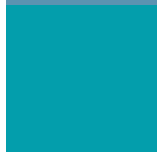
Protanomaly

25.8816, 0.2468, 0.2941



Deuteranomaly

26.2659, 0.2402, 0.2782



Tritanomaly

27.4516, 0.2179, 0.3035

Monochromacy



Original Color

27.5613, 0.2174, 0.3001



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.5467, 0.2534, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5613, 0.2174, 0.3001 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(8, 158, 174)` looks like.

```
.text, #text, p{  
    color:rgb(8, 158, 174)  
}
```

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(8, 158, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 158, 174) }
```

Border

The CSS property to change the border of an element to Yxy 27.5613, 0.2174, 0.3001 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(8, 158, 174) }
```

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

```
.border{ border-color:rgb(8, 158, 174) }
```

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

Here you see how a box with a 4 pixel rgb(8, 158, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 158, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 158, 174);  
box-shadow:4px 4px 4px 4px rgb(8, 158,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5613, 0.2174, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 158, 174) }
```

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

```
.background{ background-color: rgb(8, 158,  
174) }
```

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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