

Converting Colors

$Yxy(27.8985, 0.2306, 0.3440)$

Have a look what the booklet for
Yxy(27.8985, 0.2306, 0.3440)
contains.

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Color

Yxy(27.8998, 0.2306, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	10A199
RGB	16, 161, 153
RGB Percent	6%, 63%, 60%
CMY	0.9357, 0.3687, 0.4000
CMYK	0.90, 0.00, 0.05, 0.37
HSL	177°, 82%, 35%
HSV	177°, 90%, 63%
XYZ	18.7135, 27.8998, 34.5380
YIQ	116.7330, -83.8520, -33.2280

Conversions

Conversions Part 2

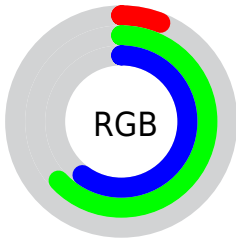
Format	Color
R_{YB}	16, 91, 161
Decimal	1089945
CIE _{Lab}	59.80, -35.84, -5.71
CIE _{LCh}	60, 36.292, 189.055
Yxy	27.8998, 0.2306, 0.3438
Android (android.graphics.Color)	4279280025 (0xFF10A199)
YUV	116.7330, 17.8796, -88.3428
Hunter-Lab	52.8203, -29.1954, -1.7942

Details

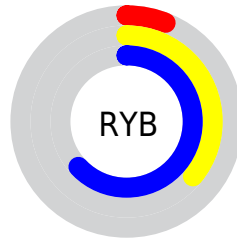
The Yxy color **27.8998, 0.2306, 0.3438** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0262, 0.6090, 0.3246**, and the grayscale version is **17.7026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1035, 0.2471, 0.3411**, and **11.8966, 0.2299, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **27.7598, 0.2294, 0.3456**, and if you desaturate by 10%, it is **28.1317, 0.2332, 0.3420**.

Distribution



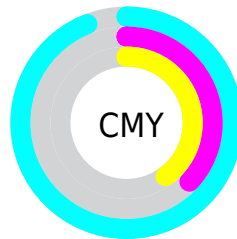
- Red (6%)
- Green (63%)
- Blue (60%)



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



- Cyan (90%)
- Magenta (0%)
- Yellow (5%)
- Black (37%)





- Cyan (94%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8998, 0.2306, 0.3438 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 27.8998, 0.2306, 0.3438 by changing the saturation by 10% instead.


 27.8998, 0.2306,
0.3438


 27.8998, 0.2306,
0.3438


291.9878, 0.2743,
0.3367


 18.2501, 0.2189,
0.3454


 56.3244, 0.2471,
0.3413

 11.1297, 0.2034,
0.3472


 75.8682, 0.2531,
0.3404


 6.1542, 0.1820,
0.3492

 99.4788, 0.2581,
0.3396

 2.9390, 0.1509,
0.3509

 127.5406, 0.2623,
0.3388

 1.1000, 0.0524,
0.3695

 160.4380, 0.2659,
0.3382

 0.0000, 0.0000,
0.0000

 198.5554, 0.2691,

0.3376

242.2772, 0.2718,
0.3371

■ 27.8998, 0.2306,
0.3438

■ 27.8998, 0.2306,
0.3438

■ 27.7598, 0.2294,
0.3456

■ 28.1317, 0.2332,
0.3420

■ 27.7574, 0.2293,
0.3456

■ 28.4893, 0.2375,
0.3402

■ 28.9897, 0.2437,
0.3384

■ 29.6467, 0.2517,
0.3366

■ 30.4723, 0.2614,
0.3349

■ 31.4776, 0.2727,
0.3333

■ 32.6725, 0.2852,
0.3317

■ 34.0663, 0.2987,
0.3303

■ 35.6677, 0.3130,
0.3290

Harmonies

Analogous

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



27.8998, 0.2759, 0.4032



27.8998, 0.2306, 0.3438



27.8998, 0.2077, 0.2864

Triad

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



27.8998, 0.2306, 0.3438



27.8998, 0.2826, 0.2427



27.8998, 0.4255, 0.3983

Complementary

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



27.8998, 0.2306, 0.3438



8.0262, 0.6090, 0.3246

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.



27.8998, 0.4305, 0.3534



27.8998, 0.2306, 0.3438



27.8998, 0.3432, 0.2685

Square

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



27.8998, 0.2306, 0.3438



27.8998, 0.2354, 0.2351



27.8998, 0.3995, 0.3076



27.8998, 0.3890, 0.4315

Rectangle

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



27.8998, 0.2306, 0.3438



27.8998, 0.2062, 0.2588



27.8998, 0.3995, 0.3076



27.8998, 0.4311, 0.3840

Sweetspot

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



27.9008, 0.2306, 0.3438



56.8430, 0.2754, 0.3329



25.7458, 0.3030, 0.5880



12.3282, 0.2716, 0.3334



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.



27.9008, 0.2306, 0.3438



49.7065, 0.2294, 0.3459



11.4846, 0.1909, 0.1984



8.0045, 0.2995, 0.3302



22.1733, 0.2293, 0.3455



0.4678, 0.2275, 0.3389

Inverse Universe

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



8.0262, 0.6090, 0.3246



13.5954, 0.6351, 0.3272



13.2147, 0.5341, 0.4012



7.0920, 0.3277, 0.3278



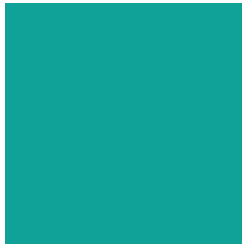
6.0692, 0.6324, 0.3257



0.1293, 0.5982, 0.3069

Previews

White Background



This preview shows how the Yxy color 27.8998, 0.2306, 0.3438 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 27.8998, 0.2306, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

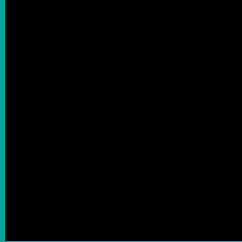
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8998, 0.2306, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 27.8998, 0.2306, 0.3438.

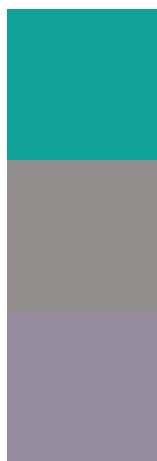


This preview shows how white text looks on a background with the Yxy color 27.8998, 0.2306, 0.3438.

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

27.8998, 0.2306, 0.3438

Protanopia

27.4100, 0.3170, 0.3290

Deuteranopia

27.4179, 0.3056, 0.2994



Tritanopia

27.8253, 0.2242, 0.3056

Trichromacy



Original Color

27.8998, 0.2306, 0.3438

Protanomaly

26.2229, 0.2687, 0.3343

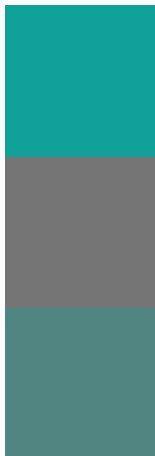
Deuteranomaly

26.0344, 0.2621, 0.3130

Tritanomaly

27.7679, 0.2263, 0.3196

Monochromacy



Original Color

27.8998, 0.2306, 0.3438

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

20.0922, 0.2621, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8998, 0.2306, 0.3438 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, 161, 153)` looks like.

```
.text, #text, p{  
    color:rgb(16, 161, 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(16, 161, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 161, 153) }
```

Border

The CSS property to change the border of an element to Yxy 27.8998, 0.2306, 0.3438 is called "border". The border property can be set on classes, ids or directly on the HTML element.

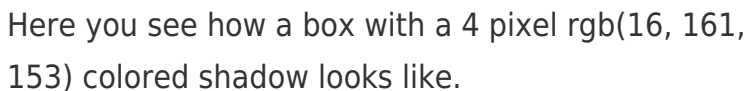
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(16, 161, 153) }
```

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

```
.border{ border-color:rgb(16, 161, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(16, 161, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 161, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 161, 153); box-shadow:4px 4px 4px 4px rgb(16, 161, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8998, 0.2306, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 161, 153) }
```

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

```
.background{ background-color: rgb(16, 161,  
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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