

Converting Colors

$Yxy(27.9705, 0.2436, 0.3898)$

Have a look what the booklet for
Yxy(27.9705, 0.2436, 0.3898)
contains.

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Color

Yxy(27.9705, 0.2436, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	10A384
RGB	16, 163, 132
RGB Percent	6%, 64%, 52%
CMY	0.9359, 0.3608, 0.4824
CMYK	0.90, 0.00, 0.19, 0.36
HSL	167°, 82%, 35%
HSV	167°, 90%, 64%
XYZ	17.4798, 27.9705, 26.3058
YIQ	115.5130, -77.6610, -40.8050

Conversions

Conversions Part 2

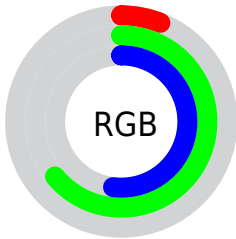
Format	Color
R_{YB}	16, 98, 163
Decimal	1090436
CIE _{Lab}	59.86, -42.65, 6.23
CIE _{LCh}	60, 43.106, 171.687
Yxy	27.9705, 0.2436, 0.3898
Android (android.graphics.Color)	4279280516 (0xFF10A384)
YUV	115.5130, 8.1281, -87.2729
Hunter-Lab	52.8871, -33.5563, 7.5305

Details

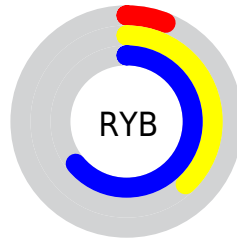
The Yxy color **27.9705, 0.2436, 0.3898** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.3749, 0.5709, 0.3024**, and the grayscale version is **17.3330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5455, 0.2580, 0.3769**, and **11.7764, 0.2462, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **27.7659, 0.2437, 0.3974**, and if you desaturate by 10%, it is **28.2718, 0.2449, 0.3822**.

Distribution



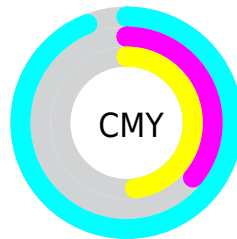
- Red (6%)
- Green (64%)
- Blue (52%)



- Red (6%)
- Yellow (38%)
- Blue (64%)



- Cyan (90%)
- Magenta (0%)
- Yellow (19%)
- Black (36%)




- Cyan (94%)
- Magenta (36%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9705, 0.2436, 0.3898 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 27.9705, 0.2436, 0.3898 by changing the saturation by 10% instead.


 27.9705, 0.2436,
0.3898


 27.9705, 0.2436,
0.3898


292.3259, 0.2813,
0.3559


 18.3034, 0.2331,
0.3996


 56.4373, 0.2581,
0.3765

 11.1680, 0.2188,
0.4132


 76.0059, 0.2633,
0.3719

 6.1800, 0.1985,
0.4330

 99.6437, 0.2676,
0.3680

 2.9548, 0.1676,
0.4646

 127.7352, 0.2712,
0.3648

 1.1082, 0.0000,
0.5954

 160.6648, 0.2743,
0.3621

 0.0000, 0.0000,
0.0000

 198.8169, 0.2770,

0.3597

242.5758, 0.2793,
0.3577

■ 27.9705, 0.2436,
0.3898

■ 27.9705, 0.2436,
0.3898

■ 27.7659, 0.2437,
0.3974

■ 28.2718, 0.2449,
0.3822

■ 27.7653, 0.2437,
0.3974

■ 28.7049, 0.2481,
0.3745

■ 29.2877, 0.2531,
0.3670

■ 30.0344, 0.2600,
0.3597

■ 30.9576, 0.2684,
0.3527

■ 32.0685, 0.2782,
0.3460

■ 33.3776, 0.2890,
0.3399

■ 34.8944, 0.3006,
0.3342

■ 36.6280, 0.3128,
0.3290

Harmonies

Analogous

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



27.9705, 0.3067, 0.4477



27.9705, 0.2436, 0.3898



27.9705, 0.2020, 0.3145

Triad

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



27.9705, 0.2436, 0.3898



27.9705, 0.2424, 0.2211



27.9705, 0.4545, 0.3778

Complementary

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



27.9705, 0.2436, 0.3898



8.3749, 0.5709, 0.3024

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.



27.9705, 0.4362, 0.3245



27.9705, 0.2436, 0.3898



27.9705, 0.3056, 0.2393

Square

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



27.9705, 0.2436, 0.3898



27.9705, 0.2022, 0.2254



27.9705, 0.3788, 0.2759



27.9705, 0.4300, 0.4275

Rectangle

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



27.9705, 0.2436, 0.3898



27.9705, 0.1898, 0.2725



27.9705, 0.3788, 0.2759



27.9705, 0.4535, 0.3600

Sweetspot

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



27.9716, 0.2436, 0.3898



57.9819, 0.2807, 0.3445



26.8623, 0.3120, 0.5813



12.8633, 0.2774, 0.3465



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.9716, 0.2436, 0.3898



49.6989, 0.2441, 0.3988



16.5404, 0.2036, 0.2455



7.9855, 0.3014, 0.3338



21.5872, 0.2435, 0.3967



0.4597, 0.2359, 0.3693

Inverse Universe

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



8.3749, 0.5709, 0.3024



14.1325, 0.6063, 0.3114



10.8402, 0.5709, 0.3704



7.1093, 0.3253, 0.3243



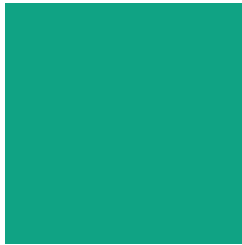
6.1491, 0.6002, 0.3080



0.1354, 0.5110, 0.2589

Previews

White Background



This preview shows how the Yxy color 27.9705, 0.2436, 0.3898 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 27.9705, 0.2436, 0.3898 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 27.9705, 0.2436, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 27.9705, 0.2436, 0.3898.



This preview shows how white text looks on a background with the Yxy color 27.9705, 0.2436, 0.3898.

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

27.9705, 0.2436, 0.3898

Protanopia

27.6294, 0.3430, 0.3631

Deuteranopia

27.3540, 0.3373, 0.3306



Tritanopia

28.0721, 0.2276, 0.3058

Trichromacy



Original Color

27.9705, 0.2436, 0.3898



Protanomaly

26.1438, 0.2878, 0.3734



Deuteranomaly

25.7425, 0.2843, 0.3507



Tritanomaly

27.9880, 0.2324, 0.3343

Monochromacy



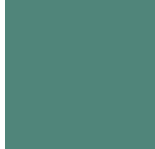
Original Color

27.9705, 0.2436, 0.3898



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.8857, 0.2690, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9705, 0.2436, 0.3898 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, 163, 132)` looks like.

```
.text, #text, p{  
    color:rgb(16, 163, 132)  
}
```

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, 163, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 163, 132) }
```

Border

The CSS property to change the border of an element to Yxy 27.9705, 0.2436, 0.3898 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, 163, 132) }
```

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

```
.border{ border-color:rgb(16, 163, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 163, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 163, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 163, 132);  
box-shadow:4px 4px 4px 4px rgb(16, 163,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9705, 0.2436, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 163, 132) }
```

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

```
.background{ background-color: rgb(16, 163,  
132) }
```

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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