

Converting Colors

$Yxy(29.8331, 0.2690, 0.4018)$

Have a look what the booklet for
Yxy(29.8331, 0.2690, 0.4018)
contains.

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Color

$\text{Yxy}(29.8331, 0.2690, 0.4018)$

Conversions

Conversions Part 1

Format	Color
Hex	49A57E
RGB	73, 165, 126
RGB Percent	29%, 65%, 49%
CMY	0.7134, 0.3530, 0.5059
CMYK	0.56, 0.00, 0.24, 0.35
HSL	155°, 39%, 47%
HSV	155°, 56%, 65%
XYZ	19.9729, 29.8331, 24.4426
YIQ	133.0460, -42.3130, -31.6330

Conversions

Conversions Part 2

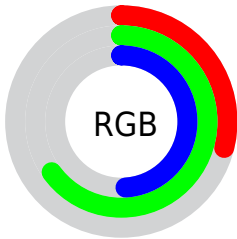
Format	Color
RYB	73, 131, 165
Decimal	4826494
CIELab	61.51, -36.83, 12.09
CIElCh	62, 38.766, 161.833
Yxy	29.8331, 0.2690, 0.4018
Android (android.graphics.Color)	4283016574 (0xFF49A57E)
YUV	133.0460, -3.4737, -52.6603
Hunter-Lab	54.6197, -30.3120, 11.7011

Details

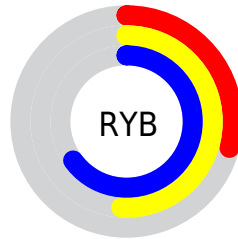
The Yxy color **29.8331, 0.2690, 0.4018** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9462, 0.4028, 0.2696**, and the grayscale version is **23.5052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6347, 0.2785, 0.3858**, and **12.1242, 0.2526, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **29.0978, 0.2649, 0.4178**, and if you desaturate by 10%, it is **30.7545, 0.2747, 0.3864**.

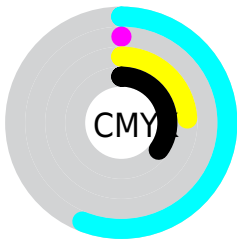
Distribution



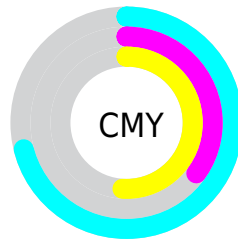
- Red (29%)
- Green (65%)
- Blue (49%)



- Red (29%)
- Yellow (51%)
- Blue (65%)



- Cyan (56%)
- Magenta (0%)
- Yellow (24%)
- Black (35%)





- Cyan (71%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8331, 0.2690, 0.4018 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 29.8331, 0.2690, 0.4018 by changing the saturation by 10% instead.


 29.8331, 0.2690,
0.4018


 29.8331, 0.2690,
0.4018


301.1257, 0.2932,
0.3610


 19.7119, 0.2620,
0.4137


 59.3981, 0.2785,
0.3858


 12.1858, 0.2524,
0.4303


 79.6108, 0.2818,
0.3801


 6.8704, 0.2385,
0.4548


 103.9561, 0.2846,
0.3755

 3.3812, 0.2163,
0.4943

 132.8184, 0.2869,
0.3716

 1.3338, 0.1426,
0.6096

 166.5821, 0.2888,
0.3684

 0.1672, 0.0000,
1.0000

205.6317, 0.2905,

 0.0000, 0.0000,

0.3656

0.0000

250.3514, 0.2920,
0.3631

■ 29.8331, 0.2690,
0.4018

■ 29.8331, 0.2690,
0.4018

■ 29.0978, 0.2649,
0.4178

■ 30.7545, 0.2747,
0.3864

■ 28.5309, 0.2626,
0.4342

■ 31.8709, 0.2817,
0.3719

■ 28.1173, 0.2623,
0.4505

■ 33.1949, 0.2897,
0.3584

■ 27.8358, 0.2639,
0.4664

■ 34.7372, 0.2983,
0.3460

■ 27.7344, 0.2648,
0.4732

■ 36.5076, 0.3074,
0.3349

■ 38.5151, 0.3167,
0.3248

■ 40.7685, 0.3260,
0.3159

■ 43.2760, 0.3352,
0.3080

■ 46.0454, 0.3442,
0.3011

Harmonies

Analogous

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



29.8331, 0.3287, 0.4404



29.8331, 0.2690, 0.4018



29.8331, 0.2239, 0.3382

Triad

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



29.8331, 0.2690, 0.4018



29.8331, 0.2359, 0.2312



29.8331, 0.4369, 0.3584

Complementary

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



29.8331, 0.2690, 0.4018



13.9462, 0.4028, 0.2696

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.



29.8331, 0.4078, 0.3107



29.8331, 0.2690, 0.4018



29.8331, 0.2866, 0.2411

Square

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



29.8331, 0.2690, 0.4018



29.8331, 0.2070, 0.2432



29.8331, 0.3504, 0.2694



29.8331, 0.4279, 0.4047

Rectangle

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



29.8331, 0.2690, 0.4018



29.8331, 0.2069, 0.2972



29.8331, 0.3504, 0.2694



29.8331, 0.4313, 0.3423

Sweetspot

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



29.8343, 0.2690, 0.4018



61.7460, 0.2969, 0.3480



30.8953, 0.3379, 0.4865



13.3816, 0.2953, 0.3502



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.



29.8343, 0.2690, 0.4018



51.8323, 0.2641, 0.4219



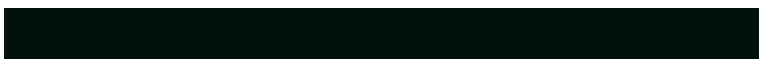
28.8867, 0.2414, 0.3181



7.9602, 0.3042, 0.3387



20.9930, 0.2643, 0.4716



0.4503, 0.2483, 0.4138

Inverse Universe

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



13.9462, 0.4028, 0.2696



20.4473, 0.4355, 0.2607



14.1031, 0.4690, 0.3386



7.1335, 0.3221, 0.3195



6.3958, 0.5233, 0.2657



0.1438, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 29.8331, 0.2690, 0.4018 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 29.8331, 0.2690, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

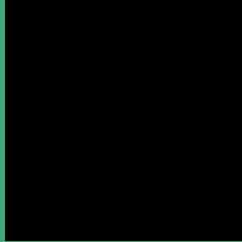
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8331, 0.2690, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 29.8331, 0.2690, 0.4018.



This preview shows how white text looks on a background with the Yxy color 29.8331, 0.2690, 0.4018.

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

29.8331, 0.2690, 0.4018

Protanopia

29.3199, 0.3536, 0.3763

Deuteranopia

29.3095, 0.3529, 0.3457



Tritanopia

29.8011, 0.2448, 0.3069

Trichromacy



Original Color

29.8331, 0.2690, 0.4018

Protanomaly

28.9029, 0.3159, 0.3876

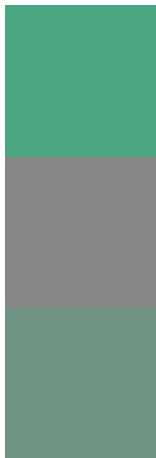
Deuteranomaly

28.3842, 0.3151, 0.3645

Tritanomaly

29.6501, 0.2535, 0.3394

Monochromacy



Original Color

29.8331, 0.2690, 0.4018

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.2420, 0.2923, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8331, 0.2690, 0.4018 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(73, 165, 126)` looks like.

```
.text, #text, p{  
    color:rgb(73, 165, 126)  
}
```

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(73, 165, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 165, 126) }
```

Border

The CSS property to change the border of an element to Yxy 29.8331, 0.2690, 0.4018 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(73, 165, 126) }
```

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

```
.border{ border-color:rgb(73, 165, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 165, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 165, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 165, 126);  
box-shadow:4px 4px 4px 4px rgb(73, 165,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8331, 0.2690, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 165, 126) }
```

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

```
.background{ background-color: rgb(73, 165,  
126) }
```

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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