

Converting Colors

$Y_{xy}(29.4581, 0.2729, 0.4397)$

Have a look what the booklet for
Yxy(29.4581, 0.2729, 0.4397)
contains.

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Color

$\text{Yxy}(29.3064, 0.2730, 0.4396)$

Conversions

Conversions Part 1

Format	Color
Hex	3BA66D
RGB	59, 166, 109
RGB Percent	23%, 65%, 43%
CMY	0.7686, 0.3490, 0.5726
CMYK	0.64, 0.00, 0.34, 0.35
HSL	148°, 48%, 44%
HSV	148°, 64%, 65%
XYZ	18.1998, 29.3064, 19.1598
YIQ	127.5090, -45.4750, -40.4110

Conversions

Conversions Part 2

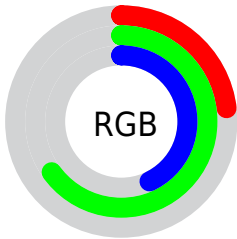
Format	Color
RYB	59, 132, 166
Decimal	3909229
CIELab	61.05, -43.93, 20.77
CIElCh	61, 48.590, 154.691
Yxy	29.3064, 0.2730, 0.4396
Android (android.graphics.Color)	4282099309 (0xFF3BA66D)
YUV	127.5090, -9.1249, -60.0824
Hunter-Lab	54.1354, -34.7268, 16.9106

Details

The Yxy color **29.3064, 0.2730, 0.4396** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4985, 0.4024, 0.2460**, and the grayscale version is **21.4528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5977, 0.2821, 0.4144**, and **12.1472, 0.2667, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **28.6973, 0.2713, 0.4603**, and if you desaturate by 10%, it is **30.0983, 0.2764, 0.4192**.

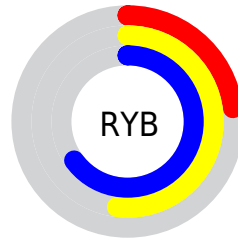
Distribution



Red (23%)

Green (65%)

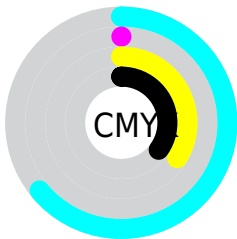
Blue (43%)



Red (23%)

Yellow (52%)

Blue (65%)

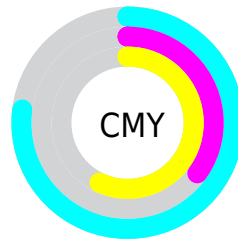


Cyan (64%)

Magenta (0%)

Yellow (34%)

Black (35%)



Cyan (77%)

Magenta (35%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3064, 0.2730, 0.4396 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 29.3064, 0.2730, 0.4396 by changing the saturation by 10% instead.


 29.3064, 0.2730,
0.4396


 29.3064, 0.2730,
0.4396


298.6579, 0.2962,
0.3764

 19.3127, 0.2658,
0.4586


 58.5635, 0.2824,
0.4144

 11.8965, 0.2555,
0.4852


 78.5958, 0.2856,
0.4057


 6.6732, 0.2399,
0.5249


 102.7431, 0.2882,
0.3985

 3.2586, 0.2134,
0.5894

 131.3897, 0.2904,
0.3926

 1.2682, 0.0666,
0.9334

 164.9201, 0.2922,
0.3876

 0.1164, 0.0000,
1.0000

203.7187, 0.2937,

 0.0000, 0.0000,

0.3833

0.0000

248.1698, 0.2950,
0.3796

■ 29.3064, 0.2730,
0.4396

■ 29.3064, 0.2730,
0.4396

■ 28.6973, 0.2713,
0.4603

■ 30.0983, 0.2764,
0.4192

■ 28.2511, 0.2715,
0.4806

■ 31.0839, 0.2813,
0.3996

■ 27.9490, 0.2736,
0.5000

■ 32.2772, 0.2874,
0.3812

■ 27.8170, 0.2751,
0.5103

■ 33.6899, 0.2942,
0.3642

■ 35.3329, 0.3016,
0.3487

■ 37.2163, 0.3093,
0.3347

■ 39.3496, 0.3170,
0.3223

■ 41.7417, 0.3247,
0.3113

■ 44.4011, 0.3322,
0.3016

Harmonies

Analogous

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



29.3064, 0.3479, 0.4752



29.3064, 0.2730, 0.4396



29.3064, 0.2129, 0.3595

Triad

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



29.3064, 0.2730, 0.4396



29.3064, 0.2073, 0.2105



29.3064, 0.4645, 0.3476

Complementary

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



29.3064, 0.2730, 0.4396



12.4985, 0.4024, 0.2460

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.



29.3064, 0.4176, 0.2921



29.3064, 0.2730, 0.4396



29.3064, 0.2624, 0.2172

Square

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



29.3064, 0.2730, 0.4396



29.3064, 0.1801, 0.2300



29.3064, 0.3395, 0.2461



29.3064, 0.4622, 0.4054

Rectangle

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



29.3064, 0.2730, 0.4396



29.3064, 0.1885, 0.3042



29.3064, 0.3395, 0.2461



29.3064, 0.4540, 0.3285

Sweetspot

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



29.3076, 0.2730, 0.4396



62.6078, 0.2979, 0.3561



31.3077, 0.3491, 0.5051



13.8296, 0.2959, 0.3604



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.3076, 0.2730, 0.4396



51.7245, 0.2711, 0.4684



30.8281, 0.2391, 0.3351



8.4639, 0.3055, 0.3413



21.5790, 0.2746, 0.5087



0.5354, 0.2567, 0.4441

Inverse Universe

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



12.4985, 0.4024, 0.2460



18.8404, 0.4326, 0.2375



11.5909, 0.5093, 0.3248



7.6066, 0.3206, 0.3170



6.8486, 0.4786, 0.2410



0.1768, 0.4138, 0.2053

Previews

White Background



This preview shows how the Yxy color 29.3064, 0.2730, 0.4396 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 29.3064, 0.2730, 0.4396 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 29.3064, 0.2730, 0.4396

Background



This preview shows how black text looks on a background with the Yxy color 29.3064, 0.2730, 0.4396.



This preview shows how white text looks on a background with the Yxy color 29.3064, 0.2730, 0.4396.

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

29.3064, 0.2730, 0.4396

Protanopia

28.7665, 0.3715, 0.3998

Deuteranopia

28.6519, 0.3746, 0.3667



Tritanopia

29.0995, 0.2411, 0.3066

Trichromacy



Original Color

29.3064, 0.2730, 0.4396



Protanomaly

27.9195, 0.3263, 0.4157



Deuteranomaly

27.4330, 0.3273, 0.3915



Tritanomaly

29.0056, 0.2523, 0.3525

Monochromacy



Original Color

29.3064, 0.2730, 0.4396



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.6100, 0.2925, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3064, 0.2730, 0.4396 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(59, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(59, 166, 109)  
}
```

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(59, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 166, 109) }
```

Border

The CSS property to change the border of an element to Yxy 29.3064, 0.2730, 0.4396 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(59, 166, 109) }
```

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

```
.border{ border-color:rgb(59, 166, 109) }
```

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

Here you see how a box with a 4 pixel rgb(59, 166, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 166, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 166, 109);  
box-shadow:4px 4px 4px 4px rgb(59, 166,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3064, 0.2730, 0.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 166, 109) }
```

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

```
.background{ background-color: rgb(59, 166,  
109) }
```

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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