

Converting Colors

$Yxy(29.4121, 0.2693, 0.4433)$

Have a look what the booklet for
Yxy(29.4121, 0.2693, 0.4433)
contains.

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Color

Yxy(29.4197, 0.2690, 0.4423)

Conversions

Conversions Part 1

Format	Color
Hex	32A76D
RGB	50, 167, 109
RGB Percent	20%, 65%, 43%
CMY	0.8041, 0.3451, 0.5726
CMYK	0.70, 0.00, 0.35, 0.35
HSL	150°, 54%, 43%
HSV	150°, 70%, 65%
XYZ	17.8926, 29.4197, 19.2030
YIQ	125.4050, -51.1140, -42.8420

Conversions

Conversions Part 2

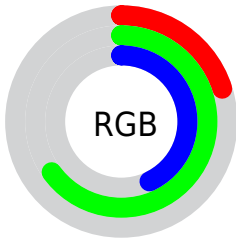
Format	Color
RYB	50, 128, 167
Decimal	3319661
CIELab	61.15, -45.98, 20.86
CIELCh	61, 50.494, 155.600
Yxy	29.4197, 0.2690, 0.4423
Android (android.graphics.Color)	4281509741 (0xFF32A76D)
YUV	125.4050, -8.0877, -66.1302
Hunter-Lab	54.2399, -36.0365, 16.9771

Details

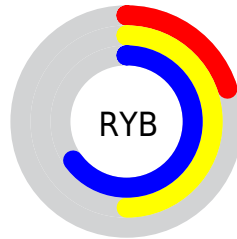
The Yxy color **29.4197, 0.2690, 0.4423** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.5754, 0.4234, 0.2477**, and the grayscale version is **20.6890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7281, 0.2791, 0.4163**, and **12.3715, 0.2672, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **28.9015, 0.2681, 0.4615**, and if you desaturate by 10%, it is **30.1118, 0.2718, 0.4232**.

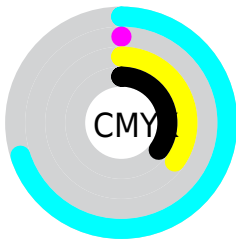
Distribution



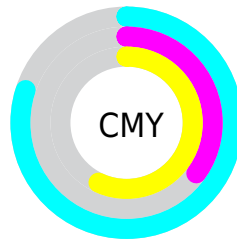
- Red (20%)
- Green (65%)
- Blue (43%)



- Red (20%)
- Yellow (50%)
- Blue (65%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)





- Cyan (80%)
- Magenta (35%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4197, 0.2690, 0.4423 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 29.4197, 0.2690, 0.4423 by changing the saturation by 10% instead.


 29.4197, 0.2690,
0.4423


 29.4197, 0.2690,
0.4423


299.1901, 0.2944,
0.3775

 19.3985, 0.2612,
0.4618


 58.7432, 0.2792,
0.4165


 11.9586, 0.2501,
0.4891


 78.8144, 0.2828,
0.4075

 6.7155, 0.2332,
0.5298


 103.0044, 0.2856,
0.4002

 3.2848, 0.2051,
0.5959

 131.6976, 0.2880,
0.3941

 1.2822, 0.0380,
0.9620

 165.2783, 0.2900,
0.3890

 0.1273, 0.0000,
1.0000

204.1311, 0.2917,

 0.0000, 0.0000,

0.3846

0.0000

248.6402, 0.2931,
0.3808

■ 29.4197, 0.2690,
0.4423

■ 29.4197, 0.2690,
0.4423

■ 28.9015, 0.2681,
0.4615

■ 30.1118, 0.2718,
0.4232

■ 28.5354, 0.2692,
0.4802

■ 30.9899, 0.2762,
0.4046

■ 28.2837, 0.2717,
0.4980

■ 32.0688, 0.2820,
0.3869

■ 33.3611, 0.2888,
0.3704

■ 34.8780, 0.2964,
0.3552

■ 36.6302, 0.3044,
0.3414

■ 38.6276, 0.3126,
0.3291

■ 40.8793, 0.3209,
0.3181

■ 43.3943, 0.3291,
0.3084

Harmonies

Analogous

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



29.4197, 0.3462, 0.4808



29.4197, 0.2690, 0.4423



29.4197, 0.2080, 0.3577

Triad

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



29.4197, 0.2690, 0.4423



29.4197, 0.2052, 0.2066



29.4197, 0.4708, 0.3493

Complementary

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



29.4197, 0.2690, 0.4423



11.5754, 0.4234, 0.2477

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.



29.4197, 0.4237, 0.2922



29.4197, 0.2690, 0.4423



29.4197, 0.2626, 0.2143

Square

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



29.4197, 0.2690, 0.4423



29.4197, 0.1764, 0.2254



29.4197, 0.3430, 0.2447



29.4197, 0.4664, 0.4089

Rectangle

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



29.4197, 0.2690, 0.4423



29.4197, 0.1836, 0.3004



29.4197, 0.3430, 0.2447



29.4197, 0.4606, 0.3297

Sweetspot

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



29.4209, 0.2690, 0.4423



62.0847, 0.2954, 0.3571



31.0881, 0.3460, 0.5212



13.7267, 0.2933, 0.3610



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.



29.4209, 0.2690, 0.4423



51.3686, 0.2684, 0.4717



31.1070, 0.2337, 0.3288



8.4685, 0.3050, 0.3404



21.6511, 0.2712, 0.4963



0.5371, 0.2543, 0.4355

Inverse Universe

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



11.5754, 0.4234, 0.2477



17.3751, 0.4611, 0.2440



10.7234, 0.5427, 0.3297



7.6020, 0.3211, 0.3179



6.7715, 0.4941, 0.2496



0.1751, 0.4228, 0.2103

Previews

White Background



This preview shows how the Yxy color 29.4197, 0.2690, 0.4423 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 29.4197, 0.2690, 0.4423 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 29.4197, 0.2690, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 29.4197, 0.2690, 0.4423.



This preview shows how white text looks on a background with the Yxy color 29.4197, 0.2690, 0.4423.

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

29.4197, 0.2690, 0.4423

Protanopia

28.7470, 0.3725, 0.4013

Deuteranopia

28.9455, 0.3741, 0.3682



Tritanopia

29.2707, 0.2382, 0.3065

Trichromacy



Original Color

29.4197, 0.2690, 0.4423



Protanomaly

28.0124, 0.3239, 0.4198



Deuteranomaly

27.5170, 0.3239, 0.3937



Tritanomaly

29.1688, 0.2489, 0.3525

Monochromacy



Original Color

29.4197, 0.2690, 0.4423



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.6847, 0.2894, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4197, 0.2690, 0.4423 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(50, 167, 109)` looks like.

```
.text, #text, p{  
  color:rgb(50, 167, 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(50, 167, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 167, 109) }
```

Border

The CSS property to change the border of an element to Yxy 29.4197, 0.2690, 0.4423 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(50, 167, 109) }
```

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

```
.border{ border-color:rgb(50, 167, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 167, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 167, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 167, 109);  
box-shadow:4px 4px 4px 4px rgb(50, 167,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4197, 0.2690, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 167, 109) }
```

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

```
.background{ background-color: rgb(50, 167,  
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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