

Converting Colors

$Yxy(29.9032, 0.2910, 0.4367)$

Have a look what the booklet for
Yxy(29.9032, 0.2910, 0.4367)
contains.

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Color

Yxy(29.9502, 0.2910, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	56A56B
RGB	86, 165, 107
RGB Percent	34%, 65%, 42%
CMY	0.6629, 0.3529, 0.5804
CMYK	0.48, 0.00, 0.35, 0.35
HSL	136°, 31%, 49%
HSV	136°, 48%, 65%
XYZ	19.9440, 29.9502, 18.6418
YIQ	134.7670, -28.4660, -34.7860

Conversions

Conversions Part 2

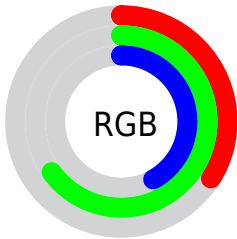
Format	Color
R_{YB}	86, 148, 165
Decimal	5678443
CIE _{Lab}	61.61, -37.41, 22.76
CIE _{LCh}	62, 43.792, 148.690
Yxy	29.9502, 0.2910, 0.4370
Android (android.graphics.Color)	4283868523 (0xFF56A56B)
YUV	134.7670, -13.6891, -42.7687
Hunter-Lab	54.7268, -30.7215, 18.1126

Details

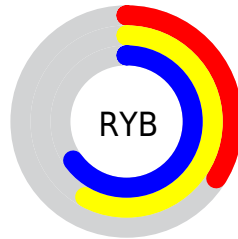
The Yxy color **29.9502, 0.2910, 0.4370** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.6611, 0.3467, 0.2420**, and the grayscale version is **24.1942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7916, 0.2965, 0.4129**, and **12.1653, 0.2795, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **29.0197, 0.2882, 0.4645**, and if you desaturate by 10%, it is **31.0996, 0.2948, 0.4106**.

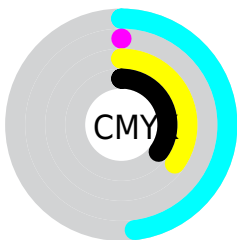
Distribution



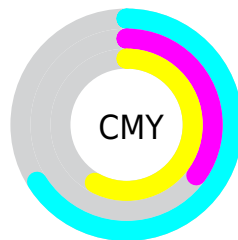
- Red (34%)
- Green (65%)
- Blue (42%)



- Red (34%)
- Yellow (58%)
- Blue (65%)



- Cyan (48%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)





- Cyan (66%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9502, 0.2910, 0.4370 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 29.9502, 0.2910, 0.4370 by changing the saturation by 10% instead.


 29.9502, 0.2910,
0.4370


 29.9502, 0.2910,
0.4370


301.6723, 0.3044,
0.3757


 19.8008, 0.2865,
0.4552


 59.5834, 0.2967,
0.4127


 12.2503, 0.2798,
0.4805


 79.8360, 0.2985,
0.4042

 6.9144, 0.2691,
0.5179


 104.2251, 0.3000,
0.3973

 3.4086, 0.2500,
0.5779

 133.1351, 0.3012,
0.3915

 1.3486, 0.1861,
0.8139

166.9505, 0.3023,
0.3866

 0.1784, 0.0000,
1.0000

206.0555, 0.3031,

 0.0000, 0.0000,

0.3825

0.0000

250.8346, 0.3038,
0.3789

■ 29.9502, 0.2910,
0.4370

■ 29.9502, 0.2910,
0.4370

■ 29.0197, 0.2882,
0.4645

■ 31.0996, 0.2948,
0.4106

■ 28.2904, 0.2865,
0.4920

■ 32.4770, 0.2991,
0.3860

■ 27.7476, 0.2863,
0.5183


■ 34.0955, 0.3039,
0.3635


■ 27.3730, 0.2876,
0.5421


■ 35.9661, 0.3088,
0.3433


■ 27.1367, 0.2901,
0.5621


■ 38.0989, 0.3137,
0.3254

 27.0948, 0.2905,
0.5659

 40.5038, 0.3185,
0.3097

 43.1899, 0.3232,
0.2960

 46.1660, 0.3275,
0.2840

 49.4406, 0.3317,
0.2736

Harmonies

Analogous

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



29.9502, 0.3594, 0.4594



29.9502, 0.2910, 0.4370



29.9502, 0.2321, 0.3719

Triad

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



29.9502, 0.2910, 0.4370



29.9502, 0.2099, 0.2229



29.9502, 0.4436, 0.3368

Complementary

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



29.9502, 0.2910, 0.4370



16.6611, 0.3467, 0.2420

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.



29.9502, 0.3941, 0.2867



29.9502, 0.2910, 0.4370



29.9502, 0.2557, 0.2241

Square

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



29.9502, 0.2910, 0.4370



29.9502, 0.1899, 0.2469



29.9502, 0.3225, 0.2469



29.9502, 0.4514, 0.3899

Rectangle

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



29.9502, 0.2910, 0.4370



29.9502, 0.2056, 0.3218



29.9502, 0.3225, 0.2469



29.9502, 0.4311, 0.3194

Sweetspot

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



29.9514, 0.2910, 0.4370



62.2256, 0.3057, 0.3559



33.6266, 0.3612, 0.4523



13.4583, 0.3047, 0.3601



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.



29.9514, 0.2910, 0.4370



51.9462, 0.2881, 0.4648



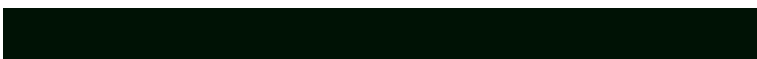
30.9416, 0.2636, 0.3638



7.9246, 0.3082, 0.3459



20.5025, 0.2901, 0.5642



0.4382, 0.2706, 0.4943

Inverse Universe

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



16.6611, 0.3467, 0.2420



25.3633, 0.3566, 0.2259



15.6836, 0.4076, 0.2983



7.1698, 0.3176, 0.3127



7.1056, 0.4003, 0.1979



0.1565, 0.3661, 0.1791

Previews

White Background



This preview shows how the Yxy color 29.9502, 0.2910, 0.4370 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 29.9502, 0.2910, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

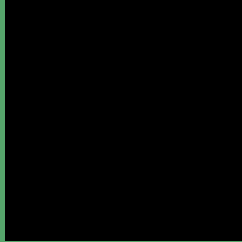
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9502, 0.2910, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 29.9502, 0.2910, 0.4370.



This preview shows how white text looks on a background with the Yxy color 29.9502, 0.2910, 0.4370.

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

29.9502, 0.2910, 0.4370

Protanopia

29.5735, 0.3737, 0.4036

Deuteranopia

29.5145, 0.3804, 0.3736



Tritanopia

29.7829, 0.2546, 0.3072

Trichromacy



Original Color

29.9502, 0.2910, 0.4370

Protanomaly

29.0770, 0.3385, 0.4157

Deuteranomaly

28.6893, 0.3429, 0.3955

Tritanomaly

29.7350, 0.2680, 0.3517

Monochromacy



Original Color

29.9502, 0.2910, 0.4370

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.8203, 0.3028, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9502, 0.2910, 0.4370 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(86, 165, 107)` looks like.

```
.text, #text, p{  
    color:rgb(86, 165, 107)  
}
```

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(86, 165, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 165, 107) }
```

Border

The CSS property to change the border of an element to Yxy 29.9502, 0.2910, 0.4370 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(86, 165, 107) }
```

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

```
.border{ border-color:rgb(86, 165, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 165, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 165, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 165, 107);  
box-shadow:4px 4px 4px 4px rgb(86, 165,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9502, 0.2910, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 165, 107) }
```

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

```
.background{ background-color: rgb(86, 165,  
107) }
```

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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