

Converting Colors

$Y_{xy}(29.3121, 0.3378, 0.4255)$

Have a look what the booklet for
Yxy(29.3121, 0.3378, 0.4255)
contains.

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Color

Yxy(29.4236, 0.3382, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	829C63
RGB	130, 156, 99
RGB Percent	51%, 61%, 39%
CMY	0.4903, 0.3882, 0.6117
CMYK	0.17, 0.00, 0.37, 0.39
HSL	87°, 22%, 50%
HSV	87°, 37%, 61%
XYZ	23.3429, 29.4236, 16.2544
YIQ	141.7280, 2.8010, -23.2390

Conversions

Conversions Part 2

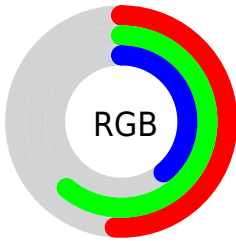
Format	Color
R_{YB}	99, 156, 125
Decimal	8559715
CIE _{Lab}	61.15, -19.44, 26.93
CIE _{LCh}	61, 33.212, 125.828
Yxy	29.4236, 0.3382, 0.4263
Android (android.graphics.Color)	4286749795 (0xFF829C63)
YUV	141.7280, -21.0649, -10.2855
Hunter-Lab	54.2435, -18.1115, 20.2038

Details

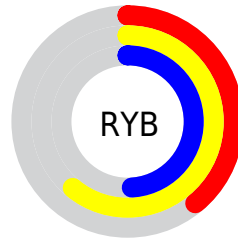
The Yxy color $29.4236, 0.3382, 0.4263$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.6892, 0.2779, 0.2304$, and the grayscale version is $27.0196, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.9809, 0.3344, 0.4061$, and $12.0044, 0.3431, 0.4642$ is the 20% darker color. If you saturate the color by 10%, you get $28.6106, 0.3438, 0.4551$, and if you desaturate by 10%, it is $30.3359, 0.3317, 0.3978$.

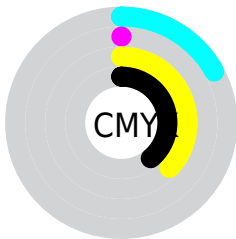
Distribution



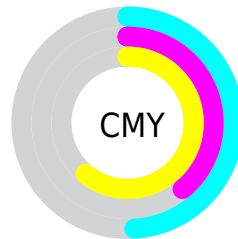
- Red (51%)
- Green (61%)
- Blue (39%)



- Red (39%)
- Yellow (61%)
- Blue (49%)



- Cyan (17%)
- Magenta (0%)
- Yellow (37%)
- Black (39%)



- Cyan (49%)
- Magenta (39%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4236, 0.3382, 0.4263 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 29.4236, 0.3382, 0.4263 by changing the saturation by 10% instead.


 29.4236, 0.3382,
0.4263


 29.4236, 0.3382,
0.4263


299.2084, 0.3259,
0.3722

 19.4015, 0.3408,
0.4418

 58.7494, 0.3340,
0.4052


 11.9607, 0.3438,
0.4628


 78.8220, 0.3323,
0.3977

 6.7170, 0.3465,
0.4929


 103.0134, 0.3308,
0.3916

 3.2857, 0.3489,
0.5412

 131.7082, 0.3296,
0.3864

 1.2827, 0.3527,
0.6473

165.2907, 0.3285,
0.3821

 0.1277, 0.0000,
1.0000

204.1453, 0.3275,

 0.0000, 0.0000,

0.3783

0.0000

248.6564, 0.3266,
0.3750

■ 29.4236, 0.3382,
0.4263

■ 29.4236, 0.3382,
0.4263

■ 28.6106, 0.3438,
0.4551

■ 30.3359, 0.3317,
0.3978

■ 27.8889, 0.3480,
0.4830

■ 31.3474, 0.3247,
0.3705

■ 27.2553, 0.3504,
0.5088


■ 32.4630, 0.3174,
0.3448

■ 26.7049, 0.3507,
0.5311


■ 33.6861, 0.3102,
0.3210


■ 26.2319, 0.3489,
0.5488


■ 35.0199, 0.3032,
0.2994


 25.8284, 0.3450,
0.5615

 36.4676, 0.2965,
0.2798

 25.6996, 0.3435,
0.5655

 38.0320, 0.2902,
0.2622

 39.7159, 0.2842,
0.2464

 41.5221, 0.2787,
0.2323

Harmonies

Analogous

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



29.4236, 0.3867, 0.4194



29.4236, 0.3382, 0.4263



29.4236, 0.2853, 0.3998

Triad

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



29.4236, 0.3382, 0.4263



29.4236, 0.2176, 0.2595



29.4236, 0.3861, 0.3057

Complementary

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



29.4236, 0.3382, 0.4263



15.6892, 0.2779, 0.2304

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.



29.4236, 0.3343, 0.2708



29.4236, 0.3382, 0.4263



29.4236, 0.2391, 0.2440

Square

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



29.4236, 0.3382, 0.4263



29.4236, 0.2185, 0.2961



29.4236, 0.2804, 0.2488



29.4236, 0.4171, 0.3474

Rectangle

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



29.4236, 0.3382, 0.4263



29.4236, 0.2547, 0.3671



29.4236, 0.2804, 0.2488



29.4236, 0.3703, 0.2930

Sweetspot

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



29.4249, 0.3382, 0.4263



57.9809, 0.3208, 0.3566



22.5509, 0.3829, 0.3713



12.7033, 0.3217, 0.3597



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.4249, 0.3382, 0.4263



52.1917, 0.3429, 0.4503



27.4981, 0.3103, 0.4352



7.5696, 0.3194, 0.3516



21.1860, 0.3440, 0.5651



0.4038, 0.3741, 0.5412

Inverse Universe

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



15.6892, 0.2779, 0.2304



23.4417, 0.2676, 0.2056



18.1134, 0.3132, 0.2401



6.5762, 0.3055, 0.3064



3.1092, 0.1962, 0.0855



0.0805, 0.2423, 0.1109

Previews

White Background



This preview shows how the Yxy color 29.4236, 0.3382, 0.4263 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 29.4236, 0.3382, 0.4263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

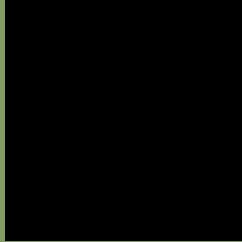
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4236, 0.3382, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 29.4236, 0.3382, 0.4263.



This preview shows how white text looks on a background with the Yxy color 29.4236, 0.3382, 0.4263.

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

29.4236, 0.3382, 0.4263

Protanopia

29.1672, 0.3792, 0.4097

Deuteranopia

29.2392, 0.3940, 0.3862



Tritanopia

29.5219, 0.2928, 0.3116

Trichromacy



Original Color

29.4236, 0.3382, 0.4263

Protanomaly

29.0468, 0.3641, 0.4162

Deuteranomaly

28.8683, 0.3726, 0.3995

Tritanomaly

29.5257, 0.3096, 0.3520

Monochromacy



Original Color

29.4236, 0.3382, 0.4263

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.7771, 0.3237, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4236, 0.3382, 0.4263 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 $rgb(130, 156, 99)$ looks like.

```
.text, #text, p{  
    color:rgb(130, 156, 99)  
}
```

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(130, 156, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 156, 99) }
```

Border

The CSS property to change the border of an element to Yxy 29.4236, 0.3382, 0.4263 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(130, 156, 99) }
```

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

```
.border{ border-color:rgb(130, 156, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 156, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 156, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 156, 99);  
box-shadow:4px 4px 4px 4px rgb(130, 156,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4236, 0.3382, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 156, 99) }
```

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

```
.background{ background-color: rgb(130,  
156, 99) }
```

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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