

Converting Colors

$Y_{xy}(29.4618, 0.2819, 0.4094)$

Have a look what the booklet for
Yxy(29.4618, 0.2819, 0.4094)
contains.

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Color

$Yxy(29.5047, 0.2820, 0.4106)$

Conversions

Conversions Part 1

Format	Color
Hex	56A377
RGB	86, 163, 119
RGB Percent	34%, 64%, 47%
CMY	0.6629, 0.3608, 0.5332
CMYK	0.47, 0.00, 0.27, 0.36
HSL	146°, 31%, 49%
HSV	146°, 47%, 64%
XYZ	20.2638, 29.5047, 22.0890
YIQ	134.9610, -31.7680, -30.0080

Conversions

Conversions Part 2

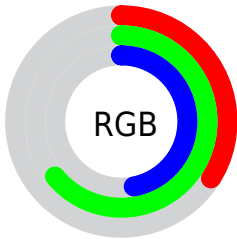
Format	Color
R_{YB}	86, 140, 163
Decimal	5677943
CIE _{Lab}	61.22, -34.17, 15.63
CIE _{LCh}	61, 37.572, 155.420
Yxy	29.5047, 0.2820, 0.4106
Android (android.graphics.Color)	4283868023 (0xFF56A377)
YUV	134.9610, -7.8688, -42.9388
Hunter-Lab	54.3182, -28.4661, 13.9119

Details

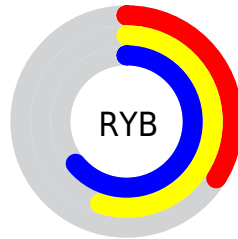
The Yxy color **29.5047, 0.2820, 0.4106** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.0477, 0.3650, 0.2609**, and the grayscale version is **24.2504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6585, 0.2893, 0.3925**, and **12.0871, 0.2698, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **28.6059, 0.2778, 0.4319**, and if you desaturate by 10%, it is **30.6042, 0.2874, 0.3904**.

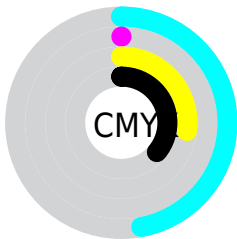
Distribution



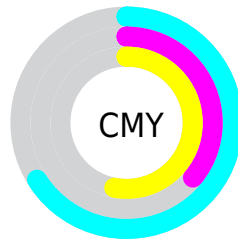
- Red (34%)
- Green (64%)
- Blue (47%)



- Red (34%)
- Yellow (55%)
- Blue (64%)



- Cyan (47%)
- Magenta (0%)
- Yellow (27%)
- Black (36%)



- Cyan (66%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5047, 0.2820, 0.4106 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 29.5047, 0.2820, 0.4106 by changing the saturation by 10% instead.


 29.5047, 0.2820,
0.4106

 29.5047, 0.2820,
0.4106


299.5889, 0.2996,
0.3646


 19.4629, 0.2767,
0.4242


 58.8780, 0.2890,
0.3924


 12.0053, 0.2693,
0.4431


 78.9783, 0.2914,
0.3861

 6.7473, 0.2581,
0.4712


 103.2003, 0.2934,
0.3809

 3.3046, 0.2395,
0.5169

 131.9284, 0.2951,
0.3765

 1.2927, 0.1826,
0.6803

165.5469, 0.2964,
0.3728

 0.1356, 0.0000,
1.0000

204.4402, 0.2976,

 0.0000, 0.0000,

0.3697

0.0000

248.9927, 0.2987,
0.3670

■ 29.5047, 0.2820,
0.4106

■ 29.5047, 0.2820,
0.4106

■ 28.6059, 0.2778,
0.4319

■ 30.6042, 0.2874,
0.3904

■ 27.8915, 0.2751,
0.4539

■ 31.9124, 0.2936,
0.3717

■ 27.3482, 0.2741,
0.4758


■ 33.4413, 0.3004,
0.3546

■ 26.9596, 0.2750,
0.4970


■ 35.2007, 0.3075,
0.3392

■ 26.6997, 0.2776,
0.5169


■ 37.2000, 0.3147,
0.3254

 26.6380, 0.2784,
0.5221

 39.4481, 0.3218,
0.3132

 41.9531, 0.3288,
0.3025

 44.7232, 0.3356,
0.2931

 47.7660, 0.3420,
0.2849

Harmonies

Analogous

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



29.5047, 0.3413, 0.4399



29.5047, 0.2820, 0.4106



29.5047, 0.2338, 0.3517

Triad

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



29.5047, 0.2820, 0.4106



29.5047, 0.2298, 0.2342



29.5047, 0.4305, 0.3478

Complementary

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



29.5047, 0.2820, 0.4106



16.0477, 0.3650, 0.2609

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.



29.5047, 0.3950, 0.3019



29.5047, 0.2820, 0.4106



29.5047, 0.2753, 0.2395

Square

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



29.5047, 0.2820, 0.4106



29.5047, 0.2066, 0.2510



29.5047, 0.3359, 0.2636



29.5047, 0.4298, 0.3940

Rectangle

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



29.5047, 0.2820, 0.4106



29.5047, 0.2136, 0.3103



29.5047, 0.3359, 0.2636



29.5047, 0.4224, 0.3321

Sweetspot

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



29.5059, 0.2820, 0.4106



60.7878, 0.3025, 0.3498



31.6855, 0.3473, 0.4562



13.5124, 0.3010, 0.3531



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.



29.5059, 0.2820, 0.4106



51.1135, 0.2775, 0.4336



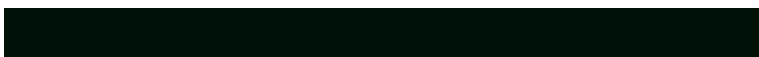
30.5934, 0.2554, 0.3400



7.9432, 0.3060, 0.3421



20.7099, 0.2779, 0.5204



0.4446, 0.2577, 0.4478

Inverse Universe

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



16.0477, 0.3650, 0.2609



23.9625, 0.3829, 0.2471



15.2171, 0.4275, 0.3192



7.1505, 0.3200, 0.3162



6.6756, 0.4627, 0.2323



0.1495, 0.3993, 0.1973

Previews

White Background



This preview shows how the Yxy color 29.5047, 0.2820, 0.4106 looks on a white background.

Color Contrast Check

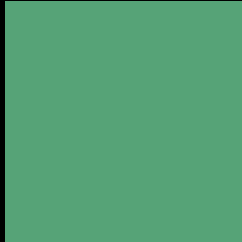
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5047, 0.2820, 0.4106 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 29.5047, 0.2820, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 29.5047, 0.2820, 0.4106.



This preview shows how white text looks on a background with the Yxy color 29.5047, 0.2820, 0.4106.

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

29.5047, 0.2820, 0.4106

Protanopia

29.2054, 0.3587, 0.3843

Deuteranopia

28.9400, 0.3620, 0.3548



Tritanopia

29.2942, 0.2536, 0.3071

Trichromacy



Original Color

29.5047, 0.2820, 0.4106

Protanomaly

28.8456, 0.3257, 0.3939

Deuteranomaly

28.3890, 0.3283, 0.3742

Tritanomaly

29.4103, 0.2635, 0.3429

Monochromacy



Original Color

29.5047, 0.2820, 0.4106

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.6177, 0.2991, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5047, 0.2820, 0.4106 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, 163, 119)` looks like.

```
.text, #text, p{  
    color:rgb(86, 163, 119)  
}
```

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, 163, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 163, 119) }
```

Border

The CSS property to change the border of an element to Yxy 29.5047, 0.2820, 0.4106 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, 163, 119) }
```

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

```
.border{ border-color:rgb(86, 163, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 163, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 163, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 163, 119);  
box-shadow:4px 4px 4px 4px rgb(86, 163,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5047, 0.2820, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 163, 119) }
```

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

```
.background{ background-color: rgb(86, 163,  
119) }
```

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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