

Converting Colors

$Y_{xy}(29.9100, 0.2851, 0.4157)$

Have a look what the booklet for
Yxy(29.9100, 0.2851, 0.4157)
contains.

Yxy(29.9100, 0.2851, 0.4157)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9100, 0.2851, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	58A475
RGB	88, 164, 117
RGB Percent	35%, 64%, 46%
CMY	0.6548, 0.3569, 0.5411
CMYK	0.46, 0.00, 0.29, 0.36
HSL	143°, 30%, 49%
HSV	143°, 46%, 64%
XYZ	20.5132, 29.9100, 21.5277
YIQ	135.9180, -30.2090, -30.7290

Conversions

Conversions Part 2

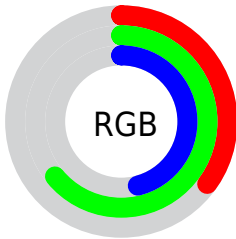
Format	Color
RYB	88, 143, 164
Decimal	5809269
CIELab	61.58, -34.46, 17.24
CIElCh	62, 38.535, 153.425
Yxy	29.9100, 0.2851, 0.4157
Android (android.graphics.Color)	4283999349 (0xFF58A475)
YUV	135.9180, -9.3266, -42.0241
Hunter-Lab	54.6900, -28.7556, 14.9446

Details

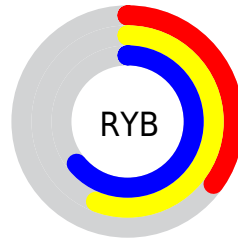
The Yxy color **29.9100, 0.2851, 0.4157** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.6247, 0.3581, 0.2569**, and the grayscale version is **24.6352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2784, 0.2918, 0.3962**, and **12.3290, 0.2739, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **28.9729, 0.2812, 0.4388**, and if you desaturate by 10%, it is **31.0555, 0.2901, 0.3938**.

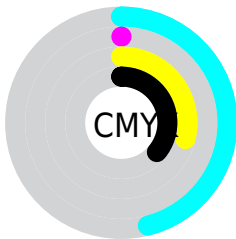
Distribution



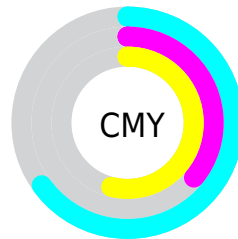
- Red (35%)
- Green (64%)
- Blue (46%)



- Red (35%)
- Yellow (56%)
- Blue (64%)



- Cyan (46%)
- Magenta (0%)
- Yellow (29%)
- Black (36%)





- Cyan (65%)
- Magenta (36%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9100, 0.2851, 0.4157 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 29.9100, 0.2851, 0.4157 by changing the saturation by 10% instead.

 29.9100, 0.2851,
0.4157


 29.9100, 0.2851,
0.4157


301.4847, 0.3011,
0.3668


 19.7703, 0.2802,
0.4301


 59.5198, 0.2915,
0.3964

 12.2282, 0.2732,
0.4502


 79.7587, 0.2937,
0.3896

 6.8993, 0.2626,
0.4799


 104.1328, 0.2956,
0.3841

 3.3992, 0.2448,
0.5280

 133.0264, 0.2970,
0.3795

 1.3435, 0.1972,
0.7032

166.8241, 0.2983,
0.3756

 0.1745, 0.0000,
1.0000

205.9101, 0.2994,

 0.0000, 0.0000,

0.3722

0.0000

250.6688, 0.3003,
0.3694

■ 29.9100, 0.2851,
0.4157

■ 29.9100, 0.2851,
0.4157

■ 28.9729, 0.2812,
0.4388

■ 31.0555, 0.2901,
0.3938

■ 28.2273, 0.2787,
0.4625

■ 32.4175, 0.2959,
0.3736

■ 27.6601, 0.2778,
0.4861


■ 34.0082, 0.3021,
0.3551


■ 27.2542, 0.2787,
0.5086

■ 35.8378, 0.3086,
0.3385

■ 26.9866, 0.2813,
0.5293

■ 37.9159, 0.3151,
0.3238

 26.9050, 0.2823,
0.5364

 40.2514, 0.3216,
0.3108

 42.8530, 0.3278,
0.2993

 45.7288, 0.3338,
0.2893

 48.8867, 0.3396,
0.2806

Harmonies

Analogous

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



29.9100, 0.3458, 0.4429



29.9100, 0.2851, 0.4157



29.9100, 0.2349, 0.3565

Triad

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



29.9100, 0.2851, 0.4157



29.9100, 0.2259, 0.2329



29.9100, 0.4317, 0.3448

Complementary

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



29.9100, 0.2851, 0.4157



16.6247, 0.3581, 0.2569

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.



29.9100, 0.3932, 0.2984



29.9100, 0.2851, 0.4157



29.9100, 0.2708, 0.2369

Square

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



29.9100, 0.2851, 0.4157



29.9100, 0.2039, 0.2515



29.9100, 0.3320, 0.2603



29.9100, 0.4333, 0.3921

Rectangle

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



29.9100, 0.2851, 0.4157



29.9100, 0.2133, 0.3138



29.9100, 0.3320, 0.2603



29.9100, 0.4226, 0.3288

Sweetspot

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



29.9112, 0.2851, 0.4157



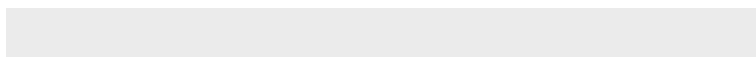
62.3809, 0.3034, 0.3516



32.5016, 0.3507, 0.4521



13.4964, 0.3021, 0.3551



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.



29.9112, 0.2851, 0.4157



52.4816, 0.2810, 0.4405



30.9551, 0.2588, 0.3464



7.9377, 0.3067, 0.3432



20.6384, 0.2818, 0.5346



0.4427, 0.2612, 0.4603

Inverse Universe

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



16.6247, 0.3581, 0.2569



25.2185, 0.3735, 0.2420



15.7602, 0.4177, 0.3133



7.1561, 0.3193, 0.3152



6.7876, 0.4437, 0.2218



0.1514, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 29.9100, 0.2851, 0.4157 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 29.9100, 0.2851, 0.4157 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 29.9100, 0.2851, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 29.9100, 0.2851, 0.4157.



This preview shows how white text looks on a background with the Yxy color 29.9100, 0.2851, 0.4157.

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

29.9100, 0.2851, 0.4157

Protanopia

29.6765, 0.3626, 0.3884

Deuteranopia

29.4091, 0.3661, 0.3591



Tritanopia

29.7829, 0.2546, 0.3072

Trichromacy



Original Color

29.9100, 0.2851, 0.4157

Protanomaly

29.2900, 0.3294, 0.3985

Deuteranomaly

28.8315, 0.3321, 0.3788

Tritanomaly

29.8628, 0.2651, 0.3445

Monochromacy



Original Color

29.9100, 0.2851, 0.4157

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.0647, 0.3011, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9100, 0.2851, 0.4157 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(88, 164, 117)` looks like.

```
.text, #text, p{  
    color:rgb(88, 164, 117)  
}
```

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(88, 164, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 164, 117) }
```

Border

The CSS property to change the border of an element to Yxy 29.9100, 0.2851, 0.4157 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(88, 164, 117) }
```

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

```
.border{ border-color:rgb(88, 164, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 164, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 164, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 164, 117);  
box-shadow:4px 4px 4px 4px rgb(88, 164,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9100, 0.2851, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 164, 117) }
```

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

```
.background{ background-color: rgb(88, 164,  
117) }
```

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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