

Converting Colors

$Y_{xy}(29.9639, 0.2915, 0.4117)$

Have a look what the booklet for
Yxy(29.9639, 0.2915, 0.4117)
contains.

Yxy(30.0201, 0.2919, 0.4126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0201, 0.2919, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	61A375
RGB	97, 163, 117
RGB Percent	38%, 64%, 46%
CMY	0.6196, 0.3608, 0.5412
CMYK	0.40, 0.00, 0.28, 0.36
HSL	138°, 26%, 51%
HSV	138°, 40%, 64%
XYZ	21.2382, 30.0201, 21.5001
YIQ	138.0220, -24.5700, -28.2980

Conversions

Conversions Part 2

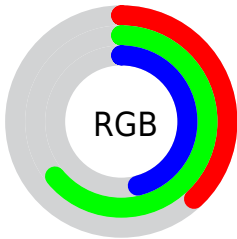
Format	Color
RYB	97, 148, 163
Decimal	6398837
CIELab	61.67, -31.38, 17.45
CIELCh	62, 35.908, 150.919
Yxy	30.0201, 0.2919, 0.4126
Android (android.graphics.Color)	4284588917 (0xFF61A375)
YUV	138.0220, -10.3638, -35.9763
Hunter-Lab	54.7906, -26.6926, 15.0877

Details

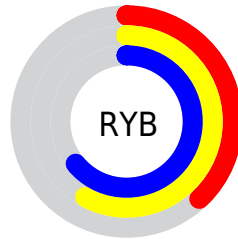
The Yxy color **30.0201, 0.2919, 0.4126** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.3229, 0.3432, 0.2584**, and the grayscale version is **25.4731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4914, 0.2968, 0.3941**, and **12.3441, 0.2830, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **28.9646, 0.2880, 0.4380**, and if you desaturate by 10%, it is **31.2946, 0.2965, 0.3888**.

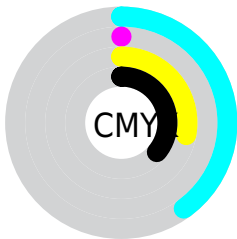
Distribution



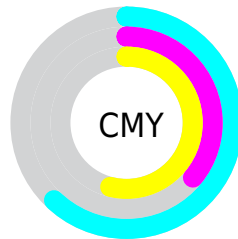
- Red (38%)
- Green (64%)
- Blue (46%)



- Red (38%)
- Yellow (58%)
- Blue (64%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (36%)





- Cyan (62%)
- Magenta (36%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0201, 0.2919, 0.4126 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 30.0201, 0.2919, 0.4126 by changing the saturation by 10% instead.


 30.0201, 0.2919,
0.4126

 30.0201, 0.2919,
0.4126


301.9981, 0.3042,
0.3656


 19.8538, 0.2880,
0.4264


 59.6940, 0.2969,
0.3941

 12.2888, 0.2825,
0.4456

 79.9704, 0.2986,
0.3876

 6.9407, 0.2740,
0.4739


 104.3856, 0.3000,
0.3823

 3.4250, 0.2593,
0.5195

 133.3241, 0.3011,
0.3778

 1.3575, 0.2303,
0.6766

167.1702, 0.3021,
0.3741

 0.1851, 0.0000,
1.0000

206.3083, 0.3029,

 0.0000, 0.0000,

0.3708

0.0000

251.1228, 0.3036,
0.3680

■ 30.0201, 0.2919,
0.4126

■ 30.0201, 0.2919,
0.4126

■ 28.9646, 0.2880,
0.4380

■ 31.2946, 0.2965,
0.3888

■ 28.1118, 0.2852,
0.4643

■ 32.7957, 0.3017,
0.3670

■ 27.4491, 0.2838,
0.4906


■ 34.5355, 0.3070,
0.3473


■ 26.9609, 0.2839,
0.5158


■ 36.5239, 0.3125,
0.3298

■ 26.6289, 0.2856,
0.5386

■ 38.7702, 0.3178,
0.3143

 26.4197, 0.2882,
0.5574

 41.2834, 0.3230,
0.3008

 44.0719, 0.3280,
0.2890

 47.1439, 0.3327,
0.2787

 50.5071, 0.3371,
0.2697

Harmonies

Analogous

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



30.0201, 0.3488, 0.4350



30.0201, 0.2919, 0.4126



30.0201, 0.2433, 0.3598

Triad

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



30.0201, 0.2919, 0.4126



30.0201, 0.2288, 0.2395



30.0201, 0.4216, 0.3406

Complementary

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



30.0201, 0.2919, 0.4126



18.3229, 0.3432, 0.2584

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.



30.0201, 0.3834, 0.2972



30.0201, 0.2919, 0.4126



30.0201, 0.2695, 0.2414

Square

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



30.0201, 0.2919, 0.4126



30.0201, 0.2099, 0.2593



30.0201, 0.3259, 0.2621



30.0201, 0.4265, 0.3852

Rectangle

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



30.0201, 0.2919, 0.4126



30.0201, 0.2216, 0.3200



30.0201, 0.3259, 0.2621



30.0201, 0.4122, 0.3256

Sweetspot

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



30.0213, 0.2919, 0.4126



61.2752, 0.3061, 0.3506



32.9165, 0.3512, 0.4343



13.6735, 0.3054, 0.3529



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.



30.0213, 0.2919, 0.4126



51.9704, 0.2882, 0.4365



30.9330, 0.2674, 0.3517



7.9287, 0.3077, 0.3451



20.5397, 0.2877, 0.5557



0.4396, 0.2675, 0.4830

Inverse Universe

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



18.3229, 0.3432, 0.2584



27.9638, 0.3530, 0.2427



17.4692, 0.3917, 0.3082



7.1655, 0.3181, 0.3135



6.9982, 0.4135, 0.2051



0.1548, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 30.0201, 0.2919, 0.4126 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 30.0201, 0.2919, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

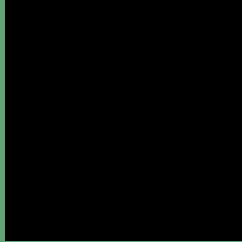
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0201, 0.2919, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 30.0201, 0.2919, 0.4126.



This preview shows how white text looks on a background with the Yxy color 30.0201, 0.2919, 0.4126.

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

30.0201, 0.2919, 0.4126

Protanopia

29.6765, 0.3626, 0.3884

Deuteranopia

29.4971, 0.3683, 0.3605



Tritanopia

29.8297, 0.2601, 0.3074

Trichromacy



Original Color

30.0201, 0.2919, 0.4126

Protanomaly

29.2090, 0.3328, 0.3963

Deuteranomaly

29.1885, 0.3365, 0.3781

Tritanomaly

29.9413, 0.2716, 0.3444

Monochromacy



Original Color

30.0201, 0.2919, 0.4126

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.6901, 0.3042, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0201, 0.2919, 0.4126 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(97, 163, 117)` looks like.

```
.text, #text, p{  
  color:rgb(97, 163, 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(97, 163, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 163, 117) }
```

Border

The CSS property to change the border of an element to Yxy 30.0201, 0.2919, 0.4126 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(97, 163, 117) }
```

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

```
.border{ border-color:rgb(97, 163, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 163, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 163, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 163, 117);  
box-shadow:4px 4px 4px 4px rgb(97, 163,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0201, 0.2919, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 163, 117) }
```

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

```
.background{ background-color: rgb(97, 163,  
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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