

Converting Colors

$Yxy(30.7805, 0.2647, 0.4146)$

Have a look what the booklet for
Yxy(30.7805, 0.2647, 0.4146)
contains.

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Color

Yxy(30.7918, 0.2644, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	3CA97C
RGB	60, 169, 124
RGB Percent	24%, 66%, 49%
CMY	0.7651, 0.3372, 0.5137
CMYK	0.65, 0.00, 0.27, 0.34
HSL	155°, 48%, 45%
HSV	155°, 65%, 66%
XYZ	19.6841, 30.7918, 23.9723
YIQ	131.2790, -50.5190, -37.1030

Conversions

Conversions Part 2

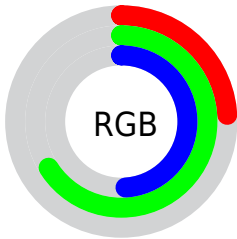
Format	Color
RYB	60, 129, 169
Decimal	3975548
CIELab	62.33, -41.81, 14.29
CIElCh	62, 44.188, 161.135
Yxy	30.7918, 0.2644, 0.4136
Android (android.graphics.Color)	4282165628 (0xFF3CA97C)
YUV	131.2790, -3.5885, -62.5117
Hunter-Lab	55.4904, -33.7887, 13.2294

Details

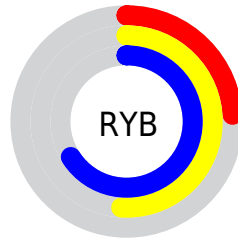
The Yxy color **30.7918, 0.2644, 0.4136** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6747, 0.4284, 0.2646**, and the grayscale version is **22.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9467, 0.2748, 0.3944**, and **12.9988, 0.2566, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **30.1789, 0.2618, 0.4295**, and if you desaturate by 10%, it is **31.5876, 0.2688, 0.3981**.

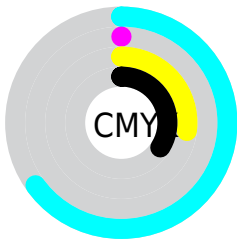
Distribution



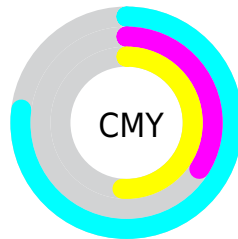
- Red (24%)
- Green (66%)
- Blue (49%)



- Red (24%)
- Yellow (51%)
- Blue (66%)



- Cyan (65%)
- Magenta (0%)
- Yellow (27%)
- Black (34%)



- Cyan (77%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7918, 0.2644, 0.4136 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 30.7918, 0.2644, 0.4136 by changing the saturation by 10% instead.


 30.7918, 0.2644,
0.4136


 30.7918, 0.2644,
0.4136


305.5780, 0.2912,
0.3661


 20.4404, 0.2567,
0.4275


 60.9121, 0.2749,
0.3949


 12.7155, 0.2461,
0.4468


 81.4498, 0.2786,
0.3884

 7.2330, 0.2306,
0.4751


 106.1517, 0.2816,
0.3830

 3.6082, 0.2062,
0.5207

 135.4022, 0.2842,
0.3785

 1.4569, 0.1246,
0.6559

 169.5857, 0.2863,
0.3747

 0.2581, 0.0000,
1.0000

209.0865, 0.2882,

 0.0000, 0.0000,

0.3714

0.0000

254.2892, 0.2898,
0.3686

■ 30.7918, 0.2644,
0.4136

■ 30.7918, 0.2644,
0.4136

■ 30.1789, 0.2618,
0.4295

■ 31.5876, 0.2688,
0.3981

■ 29.7283, 0.2612,
0.4454

■ 32.5774, 0.2748,
0.3832

■ 29.4208, 0.2625,
0.4610

■ 33.7756, 0.2820,
0.3692

■ 29.2870, 0.2637,
0.4693

■ 35.1941, 0.2902,
0.3562

■ 36.8440, 0.2991,
0.3443

■ 38.7357, 0.3084,
0.3335

■ 40.8788, 0.3179,
0.3239

■ 43.2823, 0.3274,
0.3153

■ 45.9551, 0.3367,
0.3077

Harmonies

Analogous

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



30.7918, 0.3311, 0.4563



30.7918, 0.2644, 0.4136



30.7918, 0.2142, 0.3404

Triad

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



30.7918, 0.2644, 0.4136



30.7918, 0.2259, 0.2205



30.7918, 0.4523, 0.3589

Complementary

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



30.7918, 0.2644, 0.4136



12.6747, 0.4284, 0.2646

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.



30.7918, 0.4188, 0.3067



30.7918, 0.2644, 0.4136



30.7918, 0.2815, 0.2312

Square

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



30.7918, 0.2644, 0.4136



30.7918, 0.1950, 0.2336



30.7918, 0.3531, 0.2617



30.7918, 0.4421, 0.4107

Rectangle

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



30.7918, 0.2644, 0.4136



30.7918, 0.1954, 0.2936



30.7918, 0.3531, 0.2617



30.7918, 0.4459, 0.3411

Sweetspot

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



30.7930, 0.2644, 0.4136



64.5108, 0.2948, 0.3498



31.7308, 0.3372, 0.5127



13.8868, 0.2924, 0.3531



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.7930, 0.2644, 0.4136



53.6993, 0.2614, 0.4356



28.9359, 0.2333, 0.3128



8.4789, 0.3040, 0.3385



21.8347, 0.2633, 0.4677



0.5410, 0.2490, 0.4164

Inverse Universe

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



12.6747, 0.4284, 0.2646



18.7841, 0.4684, 0.2599



13.0158, 0.5070, 0.3418



7.5917, 0.3224, 0.3197



6.6237, 0.5285, 0.2685



0.1714, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 30.7918, 0.2644, 0.4136 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7918, 0.2644, 0.4136 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 30.7918, 0.2644, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 30.7918, 0.2644, 0.4136.



This preview shows how white text looks on a background with the Yxy color 30.7918, 0.2644, 0.4136.

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

30.7918, 0.2644, 0.4136

Protanopia

30.2063, 0.3583, 0.3819

Deuteranopia

30.1894, 0.3578, 0.3515



Tritanopia

30.5981, 0.2396, 0.3069

Trichromacy



Original Color

30.7918, 0.2644, 0.4136



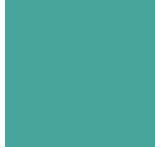
Protanomaly

29.3700, 0.3154, 0.3947



Deuteranomaly

29.1401, 0.3146, 0.3730



Tritanomaly

30.6883, 0.2486, 0.3447

Monochromacy



Original Color

30.7918, 0.2644, 0.4136



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.8126, 0.2884, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7918, 0.2644, 0.4136 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(60, 169, 124)` looks like.

```
.text, #text, p{  
    color:rgb(60, 169, 124)  
}
```

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(60, 169, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 169, 124) }
```

Border

The CSS property to change the border of an element to Yxy 30.7918, 0.2644, 0.4136 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(60, 169, 124) }
```

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

```
.border{ border-color:rgb(60, 169, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 169, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(60, 169, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(60, 169, 124); box-shadow:4px 4px 4px 4px rgb(60, 169, 124) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7918, 0.2644, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 169, 124) }
```

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

```
.background{ background-color: rgb(60, 169,  
124) }
```

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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