

Converting Colors

$Y_{xy}(30.7775, 0.2612, 0.3810)$

Have a look what the booklet for
Yxy(30.7775, 0.2612, 0.3810)
contains.

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Color

Yxy(30.8889, 0.2614, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	49A78A
RGB	73, 167, 138
RGB Percent	29%, 65%, 54%
CMY	0.7136, 0.3451, 0.4589
CMYK	0.56, 0.00, 0.17, 0.35
HSL	161°, 39%, 47%
HSV	161°, 56%, 65%
XYZ	21.1537, 30.8889, 28.8820
YIQ	135.5880, -46.7150, -28.9470

Conversions

Conversions Part 2

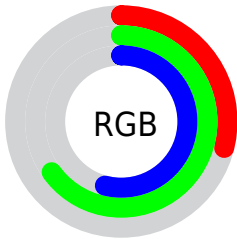
Format	Color
RYB	73, 129, 167
Decimal	4827018
CIELab	62.41, -34.98, 6.69
CIElCh	62, 35.618, 169.172
Yxy	30.8889, 0.2614, 0.3817
Android (android.graphics.Color)	4283017098 (0xFF49A78A)
YUV	135.5880, 1.1891, -54.8897
Hunter-Lab	55.5778, -29.3215, 8.0934

Details

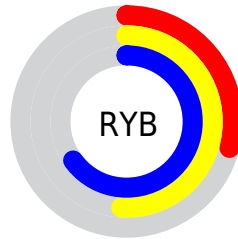
The Yxy color **30.8889, 0.2614, 0.3817** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9449, 0.4242, 0.2855**, and the grayscale version is **24.4695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2041, 0.2721, 0.3714**, and **12.7392, 0.2446, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **30.1769, 0.2564, 0.3930**, and if you desaturate by 10%, it is **31.7856, 0.2680, 0.3708**.

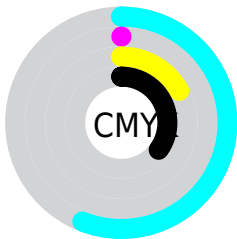
Distribution



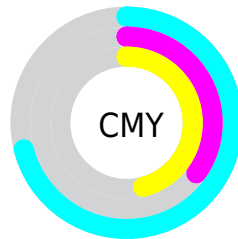
- Red (29%)
- Green (65%)
- Blue (54%)



- Red (29%)
- Yellow (51%)
- Blue (65%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)





- Cyan (71%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8889, 0.2614, 0.3817 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 30.8889, 0.2614, 0.3817 by changing the saturation by 10% instead.


 30.8889, 0.2614,
0.3817


 30.8889, 0.2614,
0.3817


306.0262, 0.2891,
0.3528

 20.5143, 0.2537,
0.3899


 61.0651, 0.2720,
0.3705

 12.7694, 0.2434,
0.4012


 81.6355, 0.2758,
0.3665


 7.2700, 0.2288,
0.4174


 106.3732, 0.2790,
0.3632

 3.6315, 0.2066,
0.4430

 135.6627, 0.2816,
0.3604

 1.4696, 0.1532,
0.4979

 169.8883, 0.2839,
0.3581

 0.2672, 0.0000,
1.0000

209.4345, 0.2859,

 0.0000, 0.0000,

0.3561

0.0000

254.6857, 0.2876,
0.3543

■ 30.8889, 0.2614,
0.3817

■ 30.8889, 0.2614,
0.3817

■ 30.1769, 0.2564,
0.3930

■ 31.7856, 0.2680,
0.3708

■ 29.6315, 0.2534,
0.4046

■ 32.8762, 0.2761,
0.3604

■ 29.2372, 0.2522,
0.4163

■ 34.1736, 0.2853,
0.3507

■ 28.9709, 0.2529,
0.4278

■ 35.6885, 0.2953,
0.3418

■ 28.8858, 0.2534,
0.4321

■ 37.4310, 0.3059,
0.3337

■ 39.4105, 0.3168,
0.3264

■ 41.6356, 0.3279,
0.3198

■ 44.1149, 0.3388,
0.3140

■ 46.8563, 0.3496,
0.3088

Harmonies

Analogous

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



30.8889, 0.3141, 0.4240



30.8889, 0.2614, 0.3817



30.8889, 0.2245, 0.3236

Triad

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



30.8889, 0.2614, 0.3817



30.8889, 0.2522, 0.2396



30.8889, 0.4268, 0.3677

Complementary

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



30.8889, 0.2614, 0.3817



13.9449, 0.4242, 0.2855

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.



30.8889, 0.4084, 0.3233



30.8889, 0.2614, 0.3817



30.8889, 0.3029, 0.2531

Square

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



30.8889, 0.2614, 0.3817



30.8889, 0.2201, 0.2459



30.8889, 0.3612, 0.2828



30.8889, 0.4112, 0.4079

Rectangle

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



30.8889, 0.2614, 0.3817



30.8889, 0.2125, 0.2887



30.8889, 0.3612, 0.2828



30.8889, 0.4245, 0.3529

Sweetspot

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



30.8901, 0.2614, 0.3817



63.6141, 0.2942, 0.3427



30.9907, 0.3280, 0.4936



14.1143, 0.2923, 0.3444



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.



30.8901, 0.2614, 0.3817



53.7241, 0.2553, 0.3965



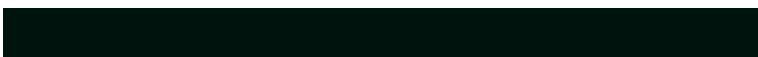
25.9482, 0.2367, 0.2982



8.4920, 0.3026, 0.3361



22.1120, 0.2531, 0.4310



0.5465, 0.2425, 0.3931

Inverse Universe

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



13.9449, 0.4242, 0.2855



20.2493, 0.4669, 0.2799



16.0528, 0.4608, 0.3553



7.5791, 0.3239, 0.3220



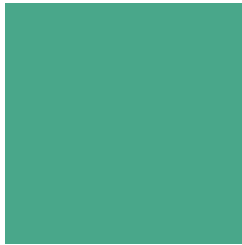
6.4814, 0.5687, 0.2907



0.1668, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 30.8889, 0.2614, 0.3817 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 30.8889, 0.2614, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

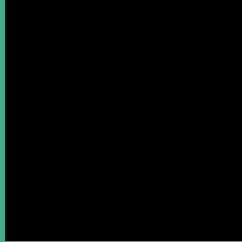
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8889, 0.2614, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 30.8889, 0.2614, 0.3817.

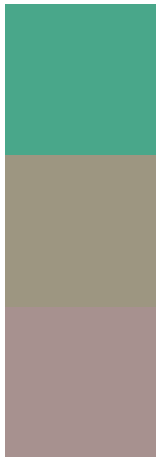


This preview shows how white text looks on a background with the Yxy color 30.8889, 0.2614, 0.3817.

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

30.8889, 0.2614, 0.3817

Protanopia

30.5658, 0.3405, 0.3618

Deuteranopia

30.4495, 0.3383, 0.3321



Tritanopia

30.8671, 0.2428, 0.3071

Trichromacy



Original Color

30.8889, 0.2614, 0.3817

Protanomaly

29.8785, 0.3050, 0.3696

Deuteranomaly

29.6921, 0.3039, 0.3488

Tritanomaly

30.9089, 0.2493, 0.3323

Monochromacy



Original Color

30.8889, 0.2614, 0.3817

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.1843, 0.2881, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8889, 0.2614, 0.3817 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(73, 167, 138)` looks like.

```
.text, #text, p{  
    color:rgb(73, 167, 138)  
}
```

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(73, 167, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 167, 138) }
```

Border

The CSS property to change the border of an element to Yxy 30.8889, 0.2614, 0.3817 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(73, 167, 138) }
```

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

```
.border{ border-color:rgb(73, 167, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 167, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 167, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 167, 138);  
box-shadow:4px 4px 4px 4px rgb(73, 167,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8889, 0.2614, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 167, 138) }
```

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

```
.background{ background-color: rgb(73, 167,  
138) }
```

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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