

Converting Colors

$Y_{xy}(31.1230, 0.2823, 0.4121)$

Have a look what the booklet for
Yxy(31.1230, 0.2823, 0.4121)
contains.

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Color

Yxy(31.0926, 0.2826, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	58A779
RGB	88, 167, 121
RGB Percent	35%, 65%, 47%
CMY	0.6548, 0.3451, 0.5255
CMYK	0.47, 0.00, 0.28, 0.35
HSL	145°, 31%, 50%
HSV	145°, 47%, 65%
XYZ	21.2961, 31.0926, 22.9690
YIQ	138.1350, -32.3180, -31.0540

Conversions

Conversions Part 2

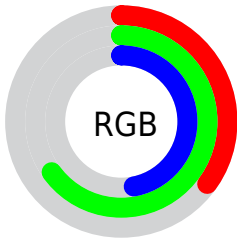
Format	Color
RYB	88, 144, 167
Decimal	5810041
CIELab	62.59, -35.05, 16.43
CIELCh	63, 38.708, 154.876
Yxy	31.0926, 0.2826, 0.4126
Android (android.graphics.Color)	4284000121 (0xFF58A779)
YUV	138.1350, -8.4476, -43.9684
Hunter-Lab	55.7607, -29.4087, 14.6097

Details

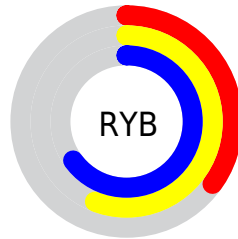
The Yxy color **31.0926, 0.2826, 0.4126** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.9206, 0.3638, 0.2594**, and the grayscale version is **25.5147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5821, 0.2891, 0.3940**, and **12.8096, 0.2704, 0.4450** is the 20% darker color. If you saturate the color by 10%, you get **30.1431, 0.2785, 0.4344**, and if you desaturate by 10%, it is **32.2554, 0.2879, 0.3919**.

Distribution



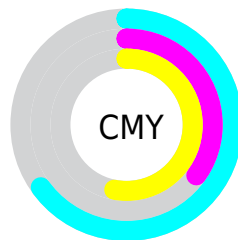
- Red (35%)
- Green (65%)
- Blue (47%)



- Red (35%)
- Yellow (56%)
- Blue (65%)



- Cyan (47%)
- Magenta (0%)
- Yellow (28%)
- Black (35%)




- Cyan (65%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0926, 0.2826, 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 31.0926, 0.2826, 0.4126 by changing the saturation by 10% instead.


 31.0926, 0.2826,
0.4126


 31.0926, 0.2826,
0.4126


306.9647, 0.2998,
0.3658

 20.6694, 0.2775,
0.4263

 61.3858, 0.2894,
0.3942

 12.8825, 0.2703,
0.4452


 82.0246, 0.2918,
0.3877

 7.3477, 0.2595,
0.4730


 106.8374, 0.2937,
0.3824

 3.6805, 0.2419,
0.5176

 136.2085, 0.2953,
0.3780

 1.4965, 0.2009,
0.6414

170.5224, 0.2967,
0.3742

 0.2863, 0.0000,
1.0000

210.1635, 0.2979,

 0.0000, 0.0000,

0.3710

0.0000

255.5161, 0.2989,
0.3682

■ 31.0926, 0.2826,
0.4126

■ 31.0926, 0.2826,
0.4126

■ 30.1431, 0.2785,
0.4344

■ 32.2554, 0.2879,
0.3919

■ 29.3895, 0.2759,
0.4569

■ 33.6400, 0.2940,
0.3727

■ 28.8177, 0.2750,
0.4792


■ 35.2592, 0.3006,
0.3552

■ 28.4100, 0.2760,
0.5008


■ 37.1234, 0.3076,
0.3394


■ 28.1394, 0.2787,
0.5208


■ 39.2428, 0.3146,
0.3254

 28.0763, 0.2794,
0.5260

 41.6265, 0.3216,
0.3129

 44.2836, 0.3285,
0.3020

 47.2225, 0.3350,
0.2924

 50.4513, 0.3413,
0.2840

Harmonies

Analogous

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



31.0926, 0.3427, 0.4416



31.0926, 0.2826, 0.4126



31.0926, 0.2336, 0.3532

Triad

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



31.0926, 0.2826, 0.4126



31.0926, 0.2282, 0.2333



31.0926, 0.4316, 0.3471

Complementary

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



31.0926, 0.2826, 0.4126



16.9206, 0.3638, 0.2594

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.



31.0926, 0.3950, 0.3008



31.0926, 0.2826, 0.4126



31.0926, 0.2738, 0.2383

Square

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



31.0926, 0.2826, 0.4126



31.0926, 0.2052, 0.2506



31.0926, 0.3350, 0.2623



31.0926, 0.4315, 0.3938

Rectangle

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



31.0926, 0.2826, 0.4126



31.0926, 0.2129, 0.3111



31.0926, 0.3350, 0.2623



31.0926, 0.4232, 0.3312

Sweetspot

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



31.0939, 0.2826, 0.4126



64.1139, 0.3027, 0.3502



33.4184, 0.3474, 0.4566



14.1980, 0.3013, 0.3536



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.



31.0939, 0.2826, 0.4126



53.8727, 0.2783, 0.4361



32.2660, 0.2553, 0.3400



8.4578, 0.3062, 0.3424



21.4937, 0.2790, 0.5242



0.5332, 0.2601, 0.4562

Inverse Universe

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



16.9206, 0.3638, 0.2594



25.3001, 0.3811, 0.2455



16.0179, 0.4279, 0.3192



7.6128, 0.3199, 0.3159



6.9607, 0.4583, 0.2298



0.1792, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 31.0926, 0.2826, 0.4126 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 31.0926, 0.2826, 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 31.0926, 0.2826, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 31.0926, 0.2826, 0.4126.



This preview shows how white text looks on a background with the Yxy color 31.0926, 0.2826, 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

31.0926, 0.2826, 0.4126

Protanopia

30.5820, 0.3610, 0.3862

Deuteranopia

30.7558, 0.3640, 0.3571



Tritanopia

30.9254, 0.2534, 0.3075

Trichromacy



Original Color

31.0926, 0.2826, 0.4126



Protanomaly

30.1062, 0.3273, 0.3961



Deuteranomaly

30.0773, 0.3298, 0.3763



Tritanomaly

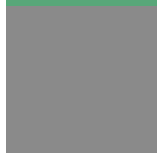
31.0143, 0.2637, 0.3443

Monochromacy



Original Color

31.0926, 0.2826, 0.4126



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.1539, 0.2994, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0926, 0.2826, 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(88, 167, 121)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 121)  
}
```

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, 167, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 121) }
```

Border

The CSS property to change the border of an element to Yxy 31.0926, 0.2826, 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(88, 167, 121) }
```

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

```
.border{ border-color:rgb(88, 167, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 121);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0926, 0.2826, 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(88, 167, 121) }
```

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

```
.background{ background-color: rgb(88, 167,  
121) }
```

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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