

Converting Colors

$Yxy(31.1632, 0.2817, 0.4093)$

Have a look what the booklet for
Yxy(31.1632, 0.2817, 0.4093)
contains.

Yxy(31.1422, 0.2811, 0.4088)	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(31.1422, 0.2811, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	58A77B
RGB	88, 167, 123
RGB Percent	35%, 65%, 48%
CMY	0.6552, 0.3451, 0.5176
CMYK	0.47, 0.00, 0.26, 0.35
HSL	147°, 31%, 50%
HSV	147°, 47%, 65%
XYZ	21.4141, 31.1422, 23.6233
YIQ	138.3630, -32.9600, -30.4320

Conversions

Conversions Part 2

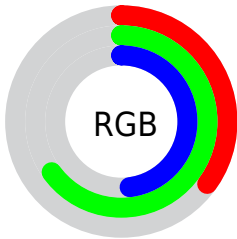
Format	Color
RYB	88, 143, 167
Decimal	5810043
CIELab	62.63, -34.67, 15.39
CIELCh	63, 37.928, 156.065
Yxy	31.1422, 0.2811, 0.4088
Android (android.graphics.Color)	4284000123 (0xFF58A77B)
YUV	138.3630, -7.5740, -44.1684
Hunter-Lab	55.8052, -29.1635, 13.9652

Details

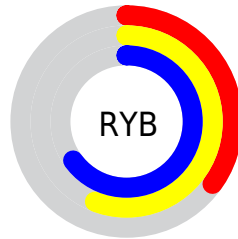
The Yxy color **31.1422, 0.2811, 0.4088** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.8500, 0.3671, 0.2623**, and the grayscale version is **25.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6607, 0.2879, 0.3912**, and **12.8361, 0.2685, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **30.1985, 0.2768, 0.4296**, and if you desaturate by 10%, it is **32.2972, 0.2866, 0.3891**.

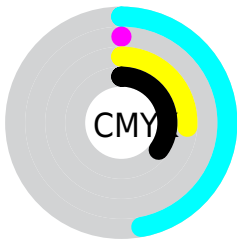
Distribution



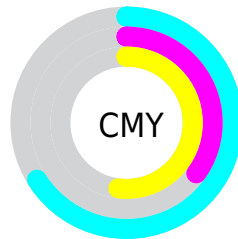
- Red (35%)
- Green (65%)
- Blue (48%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (26%)
- Black (35%)





- Cyan (66%)
- Magenta (35%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1422, 0.2811, 0.4088 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 31.1422, 0.2811, 0.4088 by changing the saturation by 10% instead.


 31.1422, 0.2811,
0.4088


 31.1422, 0.2811,
0.4088


307.1929, 0.2990,
0.3642

 20.7072, 0.2758,
0.4218


 61.4639, 0.2882,
0.3913


 12.9101, 0.2685,
0.4398


 82.1193, 0.2906,
0.3851

 7.3667, 0.2576,
0.4662


 106.9503, 0.2926,
0.3801

 3.6925, 0.2399,
0.5084

 136.3413, 0.2943,
0.3758

 1.5031, 0.1984,
0.6181

170.6767, 0.2957,
0.3723

 0.2909, 0.0000,
1.0000

210.3408, 0.2970,

 0.0000, 0.0000,

0.3692

0.0000

255.7181, 0.2980,
0.3665

■ 31.1422, 0.2811,
0.4088

■ 31.1422, 0.2811,
0.4088

■ 30.1985, 0.2768,
0.4296

■ 32.2972, 0.2866,
0.3891

■ 29.4488, 0.2740,
0.4510

■ 33.6719, 0.2930,
0.3708

■ 28.8790, 0.2730,
0.4725


■ 35.2790, 0.3000,
0.3541

■ 28.4717, 0.2739,
0.4934

■ 37.1290, 0.3073,
0.3390

■ 28.1995, 0.2765,
0.5129

■ 39.2318, 0.3147,
0.3256

 28.1370, 0.2772,
0.5179

 41.5966, 0.3221,
0.3137

 44.2322, 0.3293,
0.3032

 47.1472, 0.3363,
0.2940

 50.3495, 0.3429,
0.2860

Harmonies

Analogous

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



31.1422, 0.3399, 0.4387



31.1422, 0.2811, 0.4088



31.1422, 0.2336, 0.3502

Triad

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



31.1422, 0.2811, 0.4088



31.1422, 0.2312, 0.2348



31.1422, 0.4299, 0.3488

Complementary

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



31.1422, 0.2811, 0.4088



16.8500, 0.3671, 0.2623

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.



31.1422, 0.3953, 0.3031



31.1422, 0.2811, 0.4088



31.1422, 0.2768, 0.2405

Square

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



31.1422, 0.2811, 0.4088



31.1422, 0.2076, 0.2511



31.1422, 0.3371, 0.2648



31.1422, 0.4284, 0.3945

Rectangle

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



31.1422, 0.2811, 0.4088



31.1422, 0.2139, 0.3093



31.1422, 0.3371, 0.2648



31.1422, 0.4221, 0.3332

Sweetspot

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



31.1435, 0.2811, 0.4088



64.1506, 0.3022, 0.3493



33.3110, 0.3461, 0.4573



14.2073, 0.3007, 0.3525



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.



31.1435, 0.2811, 0.4088



53.9727, 0.2766, 0.4311



32.3126, 0.2544, 0.3378



8.4610, 0.3058, 0.3418



21.5371, 0.2767, 0.5162



0.5344, 0.2583, 0.4498

Inverse Universe

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



16.8500, 0.3671, 0.2623



25.1847, 0.3855, 0.2490



15.9797, 0.4303, 0.3212



7.6096, 0.3202, 0.3165



6.9004, 0.4689, 0.2357



0.1779, 0.4082, 0.2022

Previews

White Background



This preview shows how the Yxy color 31.1422, 0.2811, 0.4088 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 31.1422, 0.2811, 0.4088 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 31.1422, 0.2811, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 31.1422, 0.2811, 0.4088.



This preview shows how white text looks on a background with the Yxy color 31.1422, 0.2811, 0.4088.

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

31.1422, 0.2811, 0.4088

Protanopia

30.6276, 0.3590, 0.3831

Deuteranopia

30.6935, 0.3607, 0.3542



Tritanopia

30.9254, 0.2534, 0.3075

Trichromacy



Original Color

31.1422, 0.2811, 0.4088

Protanomaly

30.1533, 0.3255, 0.3927

Deuteranomaly

30.0396, 0.3269, 0.3732

Tritanomaly

31.0477, 0.2630, 0.3426

Monochromacy



Original Color

31.1422, 0.2811, 0.4088

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.1814, 0.2985, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1422, 0.2811, 0.4088 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 123) }
```

Border

The CSS property to change the border of an element to Yxy 31.1422, 0.2811, 0.4088 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, 123) }
```

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

```
.border{ border-color:rgb(88, 167, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 123);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1422, 0.2811, 0.4088 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, 123) }
```

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

```
.background{ background-color: rgb(88, 167,  
123) }
```

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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