

Converting Colors

$Yxy(31.9491, 0.2718, 0.3864)$

Have a look what the booklet for
Yxy(31.9491, 0.2718, 0.3864)
contains.

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Color

Yxy(31.8091, 0.2714, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	57A888
RGB	87, 168, 136
RGB Percent	34%, 66%, 53%
CMY	0.6589, 0.3412, 0.4665
CMYK	0.48, 0.00, 0.19, 0.34
HSL	156°, 32%, 50%
HSV	156°, 48%, 66%
XYZ	22.3769, 31.8091, 28.2638
YIQ	140.1330, -38.0040, -27.1240

Conversions

Conversions Part 2

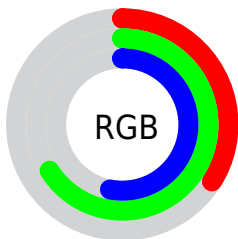
Format	Color
RYB	87, 137, 168
Decimal	5744776
CIELab	63.18, -32.58, 8.94
CIELCh	63, 33.781, 164.647
Yxy	31.8091, 0.2714, 0.3858
Android (android.graphics.Color)	4283934856 (0xFF57A888)
YUV	140.1330, -2.0376, -46.5976
Hunter-Lab	56.3996, -27.8783, 9.7674

Details

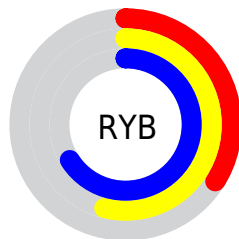
The Yxy color **31.8091, 0.2714, 0.3858** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.4684, 0.3894, 0.2803**, and the grayscale version is **26.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6482, 0.2800, 0.3746**, and **13.2094, 0.2570, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **30.9112, 0.2658, 0.4002**, and if you desaturate by 10%, it is **32.9094, 0.2784, 0.3721**.

Distribution



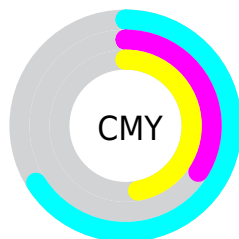
- Red (34%)
- Green (66%)
- Blue (53%)



- Red (34%)
- Yellow (54%)
- Blue (66%)



- Cyan (48%)
- Magenta (0%)
- Yellow (19%)
- Black (34%)




- Cyan (66%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8091, 0.2714, 0.3858 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 31.8091, 0.2714, 0.3858 by changing the saturation by 10% instead.

 31.8091, 0.2714,
0.3858


 31.8091, 0.2714,
0.3858


310.2487, 0.2938,
0.3546

 21.2157, 0.2651,
0.3947


 62.5117, 0.2800,
0.3737


 13.2818, 0.2567,
0.4069


 83.3897, 0.2831,
0.3694

 7.6229, 0.2446,
0.4245


 108.4647, 0.2857,
0.3658

 3.8546, 0.2261,
0.4523

 138.1212, 0.2878,
0.3628

 1.5926, 0.1881,
0.5058

172.7434, 0.2896,
0.3603

 0.3526, 0.0000,
1.0000

212.7158, 0.2912,

 0.0000, 0.0000,

0.3581

0.0000

258.4228, 0.2926,
0.3562

■ 31.8091, 0.2714,
0.3858

■ 31.8091, 0.2714,
0.3858

■ 30.9112, 0.2658,
0.4002

■ 32.9094, 0.2784,
0.3721

■ 30.1983, 0.2619,
0.4152

■ 34.2205, 0.2865,
0.3594

■ 29.6566, 0.2599,
0.4303


■ 35.7547, 0.2953,
0.3476


■ 29.2685, 0.2599,
0.4454


■ 37.5225, 0.3048,
0.3370


■ 29.0030, 0.2616,
0.4602


■ 39.5335, 0.3144,
0.3274

 28.9605, 0.2619,
0.4629

 41.7970, 0.3242,
0.3188

 44.3216, 0.3339,
0.3112

 47.1156, 0.3434,
0.3045

 50.1868, 0.3526,
0.2986

Harmonies

Analogous

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



31.8091, 0.3224, 0.4211



31.8091, 0.2714, 0.3858



31.8091, 0.2335, 0.3323

Triad

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



31.8091, 0.2714, 0.3858



31.8091, 0.2499, 0.2441



31.8091, 0.4194, 0.3598

Complementary

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



31.8091, 0.2714, 0.3858



16.4684, 0.3894, 0.2803

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.



31.8091, 0.3973, 0.3177



31.8091, 0.2714, 0.3858



31.8091, 0.2956, 0.2542

Square

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



31.8091, 0.2714, 0.3858



31.8091, 0.2224, 0.2534



31.8091, 0.3503, 0.2804



31.8091, 0.4096, 0.3988

Rectangle

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



31.8091, 0.2714, 0.3858



31.8091, 0.2197, 0.2983



31.8091, 0.3503, 0.2804



31.8091, 0.4155, 0.3457

Sweetspot

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



31.8104, 0.2714, 0.3858



66.1012, 0.2990, 0.3433



32.6440, 0.3335, 0.4656



14.2663, 0.2971, 0.3455



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.



31.8104, 0.2714, 0.3858



55.9692, 0.2654, 0.4014



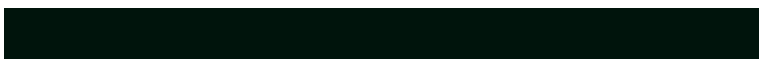
29.9598, 0.2476, 0.3150



8.4812, 0.3037, 0.3381



21.8788, 0.2615, 0.4614



0.5420, 0.2479, 0.4123

Inverse Universe

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



16.4684, 0.3894, 0.2803



24.7412, 0.4169, 0.2711



17.2116, 0.4363, 0.3418



7.5895, 0.3226, 0.3201



6.5958, 0.5358, 0.2725



0.1706, 0.4499, 0.2252

Previews

White Background



This preview shows how the Yxy color 31.8091, 0.2714, 0.3858 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 31.8091, 0.2714, 0.3858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

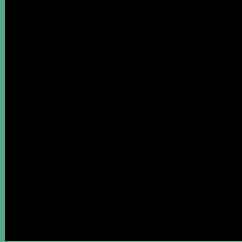
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8091, 0.2714, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 31.8091, 0.2714, 0.3858.



This preview shows how white text looks on a background with the Yxy color 31.8091, 0.2714, 0.3858.

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

31.8091, 0.2714, 0.3858

Protanopia

31.4886, 0.3442, 0.3659

Deuteranopia

31.4485, 0.3442, 0.3379



Tritanopia

31.9256, 0.2503, 0.3077

Trichromacy



Original Color

31.8091, 0.2714, 0.3858

Protanomaly

31.0790, 0.3125, 0.3736

Deuteranomaly

30.8822, 0.3125, 0.3548

Tritanomaly

31.8632, 0.2581, 0.3356

Monochromacy



Original Color

31.8091, 0.2714, 0.3858

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.7417, 0.2941, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8091, 0.2714, 0.3858 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(87, 168, 136)` looks like.

```
.text, #text, p{  
    color:rgb(87, 168, 136)  
}
```

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(87, 168, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 168, 136) }
```

Border

The CSS property to change the border of an element to Yxy 31.8091, 0.2714, 0.3858 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(87, 168, 136) }
```

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

```
.border{ border-color:rgb(87, 168, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 168, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 168, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 168, 136);  
box-shadow:4px 4px 4px 4px rgb(87, 168,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8091, 0.2714, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 168, 136) }
```

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

```
.background{ background-color: rgb(87, 168,  
136) }
```

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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