

Converting Colors

$Y_{xy}(31.0785, 0.2812, 0.3790)$

Have a look what the booklet for
Yxy(31.0785, 0.2812, 0.3790)
contains.

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Color

Yxy(31.0669, 0.2814, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	65A487
RGB	101, 164, 135
RGB Percent	40%, 64%, 53%
CMY	0.6039, 0.3569, 0.4705
CMYK	0.38, 0.00, 0.18, 0.36
HSL	152°, 26%, 52%
HSV	152°, 38%, 64%
XYZ	23.0180, 31.0669, 27.7132
YIQ	141.8570, -28.2390, -22.3750

Conversions

Conversions Part 2

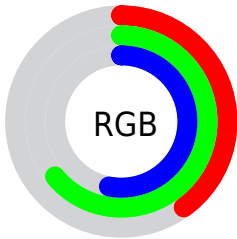
Format	Color
RYB	101, 142, 164
Decimal	6661255
CIELab	62.56, -26.98, 8.71
CIElCh	63, 28.350, 162.112
Yxy	31.0669, 0.2814, 0.3798
Android (android.graphics.Color)	4284851335 (0xFF65A487)
YUV	141.8570, -3.3805, -35.8316
Hunter-Lab	55.7377, -23.8259, 9.5370

Details

The Yxy color **31.0669, 0.2814, 0.3798** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.8145, 0.3619, 0.2838**, and the grayscale version is **27.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1639, 0.2880, 0.3690**, and **12.8972, 0.2700, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **30.0088, 0.2751, 0.3959**, and if you desaturate by 10%, it is **32.3315, 0.2888, 0.3648**.

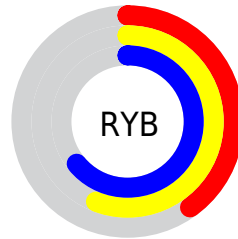
Distribution



Red (40%)

Green (64%)

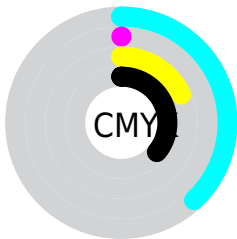
Blue (53%)



Red (40%)

Yellow (56%)

Blue (64%)

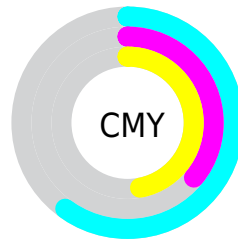


Cyan (38%)

Magenta (0%)

Yellow (18%)

Black (36%)



Cyan (60%)


Magenta (36%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0669, 0.2814, 0.3798 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 31.0669, 0.2814, 0.3798 by changing the saturation by 10% instead.


 31.0669, 0.2814,
0.3798

 31.0669, 0.2814,
0.3798


306.8464, 0.2985,
0.3518


 20.6498, 0.2766,
0.3878


 61.3454, 0.2880,
0.3689

 12.8683, 0.2700,
0.3987


 81.9756, 0.2904,
0.3651

 7.3379, 0.2605,
0.4147


 106.7789, 0.2923,
0.3619

 3.6743, 0.2458,
0.4399

 136.1397, 0.2940,
0.3592

 1.4931, 0.2166,
0.4876

170.4425, 0.2953,
0.3570

 0.2839, 0.0000,
1.0000

210.0716, 0.2965,

 0.0000, 0.0000,

0.3550

0.0000

255.4115, 0.2976,
0.3533

■ 31.0669, 0.2814,
0.3798

■ 31.0669, 0.2814,
0.3798

■ 30.0088, 0.2751,
0.3959

■ 32.3315, 0.2888,
0.3648

■ 29.1418, 0.2701,
0.4129

■ 33.8095, 0.2968,
0.3510

■ 28.4543, 0.2667,
0.4305

■ 35.5120, 0.3054,
0.3385

■ 27.9319, 0.2652,
0.4483

■ 37.4484, 0.3141,
0.3273

■ 27.5578, 0.2657,
0.4659

■ 39.6272, 0.3229,
0.3173

■ 27.3015, 0.2679,
0.4829

■ 42.0569, 0.3316,
0.3085

■ 27.2643, 0.2682,
0.4856

■ 44.7454, 0.3401,
0.3007

■ 47.7000, 0.3482,
0.2939

■ 50.9281, 0.3561,
0.2879

Harmonies

Analogous

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



31.0669, 0.3255, 0.4072



31.0669, 0.2814, 0.3798



31.0669, 0.2473, 0.3362

Triad

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



31.0669, 0.2814, 0.3798



31.0669, 0.2565, 0.2561



31.0669, 0.4023, 0.3533

Complementary

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



31.0669, 0.2814, 0.3798



18.8145, 0.3619, 0.2838

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.



31.0669, 0.3814, 0.3169



31.0669, 0.2814, 0.3798



31.0669, 0.2948, 0.2633

Square

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



31.0669, 0.2814, 0.3798



31.0669, 0.2340, 0.2662



31.0669, 0.3409, 0.2850



31.0669, 0.3968, 0.3869

Rectangle

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



31.0669, 0.2814, 0.3798



31.0669, 0.2341, 0.3071



31.0669, 0.3409, 0.2850



31.0669, 0.3982, 0.3411

Sweetspot

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



31.0682, 0.2814, 0.3798



63.2309, 0.3021, 0.3431



32.2687, 0.3346, 0.4337



13.7410, 0.3010, 0.3446



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.0682, 0.2814, 0.3798



54.7444, 0.2760, 0.3934



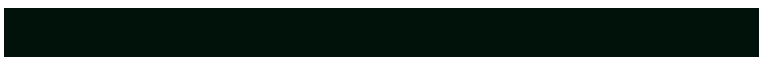
31.2533, 0.2600, 0.3253



7.9560, 0.3046, 0.3395



20.9149, 0.2678, 0.4840



0.4489, 0.2504, 0.4215

Inverse Universe

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



18.8145, 0.3619, 0.2838



29.3138, 0.3779, 0.2740



18.5560, 0.4037, 0.3326



7.1376, 0.3216, 0.3187



6.4553, 0.5086, 0.2575



0.1452, 0.4256, 0.2118

Previews

White Background



This preview shows how the Yxy color 31.0669, 0.2814, 0.3798 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 31.0669, 0.2814, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

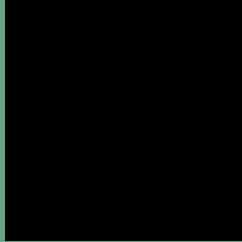
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0669, 0.2814, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 31.0669, 0.2814, 0.3798.



This preview shows how white text looks on a background with the Yxy color 31.0669, 0.2814, 0.3798.

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

31.0669, 0.2814, 0.3798

Protanopia

30.6403, 0.3426, 0.3632

Deuteranopia

30.5499, 0.3446, 0.3380



Tritanopia

31.0898, 0.2601, 0.3078

Trichromacy



Original Color

31.0669, 0.2814, 0.3798

Protanomaly

30.3997, 0.3168, 0.3685

Deuteranomaly

30.2207, 0.3177, 0.3515

Tritanomaly

31.1187, 0.2676, 0.3322

Monochromacy



Original Color

31.0669, 0.2814, 0.3798

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.1888, 0.2999, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0669, 0.2814, 0.3798 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(101, 164, 135)` looks like.

```
.text, #text, p{  
    color:rgb(101, 164, 135)  
}
```

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(101, 164, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 164, 135) }
```

Border

The CSS property to change the border of an element to Yxy 31.0669, 0.2814, 0.3798 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(101, 164, 135) }
```

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

```
.border{ border-color:rgb(101, 164, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 164, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 164, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 164, 135);  
box-shadow:4px 4px 4px 4px rgb(101, 164,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0669, 0.2814, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 164, 135) }
```

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

```
.background{ background-color: rgb(101,  
164, 135) }
```

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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