

Converting Colors

$Y_{xy}(30.9698, 0.2925, 0.3781)$

Have a look what the booklet for
Yxy(30.9698, 0.2925, 0.3781)
contains.

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Color

Yxy(31.0448, 0.2925, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	71A285
RGB	113, 162, 133
RGB Percent	44%, 64%, 52%
CMY	0.5568, 0.3647, 0.4784
CMYK	0.30, 0.00, 0.18, 0.36
HSL	144°, 21%, 54%
HSV	144°, 30%, 64%
XYZ	23.9657, 31.0448, 26.9235
YIQ	144.0430, -19.8950, -19.4070

Conversions

Conversions Part 2

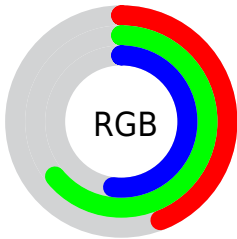
Format	Color
RYB	113, 148, 162
Decimal	7447173
CIELab	62.55, -22.68, 9.89
CIELCh	63, 24.742, 156.436
Yxy	31.0448, 0.2925, 0.3789
Android (android.graphics.Color)	4285637253 (0xFF71A285)
YUV	144.0430, -5.4442, -27.2247
Hunter-Lab	55.7179, -20.7288, 10.3529

Details

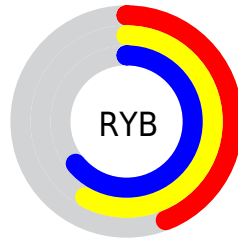
The Yxy color **31.0448, 0.2925, 0.3789** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.4474, 0.3402, 0.2840**, and the grayscale version is **27.9383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2779, 0.2970, 0.3683**, and **12.8332, 0.2853, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **29.8126, 0.2867, 0.3988**, and if you desaturate by 10%, it is **32.4956, 0.2989, 0.3606**.

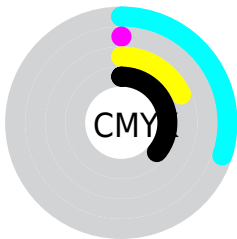
Distribution



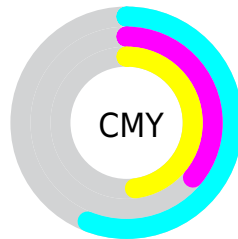
- Red (44%)
- Green (64%)
- Blue (52%)



- Red (44%)
- Yellow (58%)
- Blue (64%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (36%)





- Cyan (56%)
- Magenta (36%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0448, 0.2925, 0.3789 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 31.0448, 0.2925, 0.3789 by changing the saturation by 10% instead.

 31.0448, 0.2925,
0.3789


 31.0448, 0.2925,
0.3789


306.7447, 0.3037,
0.3514

 20.6330, 0.2893,
0.3868


 61.3106, 0.2969,
0.3682


 12.8560, 0.2848,
0.3975


 81.9334, 0.2984,
0.3644

 7.3294, 0.2784,
0.4132


 106.7285, 0.2997,
0.3613

 3.6690, 0.2680,
0.4379

 136.0805, 0.3008,
0.3587

 1.4902, 0.2491,
0.4842

170.3738, 0.3017,
0.3565

 0.2818, 0.0000,
1.0000

209.9926, 0.3024,

 0.0000, 0.0000,

0.3545

0.0000

255.3214, 0.3031,
0.3529

■ 31.0448, 0.2925,
0.3789

■ 31.0448, 0.2925,
0.3789

■ 29.8126, 0.2867,
0.3988

■ 32.4956, 0.2989,
0.3606

■ 28.7843, 0.2819,
0.4202

■ 34.1711, 0.3057,
0.3441

■ 27.9493, 0.2783,
0.4425

■ 36.0821, 0.3126,
0.3293


■ 27.2945, 0.2762,
0.4653

■ 38.2375, 0.3194,
0.3162


■ 26.8052, 0.2759,
0.4878


■ 40.6456, 0.3262,
0.3047

 26.4641, 0.2774,
0.5092

 43.3145, 0.3327,
0.2946

 26.2357, 0.2801,
0.5284

 46.2518, 0.3389,
0.2858

 49.4648, 0.3448,
0.2780

 52.2304, 0.3471,
0.2706

Harmonies

Analogous

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



31.0448, 0.3318, 0.3988



31.0448, 0.2925, 0.3789



31.0448, 0.2600, 0.3430

Triad

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



31.0448, 0.2925, 0.3789



31.0448, 0.2584, 0.2652



31.0448, 0.3891, 0.3449

Complementary

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



31.0448, 0.2925, 0.3789



21.4474, 0.3402, 0.2840

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.



31.0448, 0.3670, 0.3129



31.0448, 0.2925, 0.3789



31.0448, 0.2900, 0.2686

Square

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



31.0448, 0.2925, 0.3789



31.0448, 0.2414, 0.2776



31.0448, 0.3299, 0.2857



31.0448, 0.3889, 0.3753

Rectangle

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



31.0448, 0.2925, 0.3789



31.0448, 0.2461, 0.3172



31.0448, 0.3299, 0.2857



31.0448, 0.3840, 0.3340

Sweetspot

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



31.0461, 0.2925, 0.3789



62.3852, 0.3064, 0.3424



32.8200, 0.3371, 0.4078



13.9089, 0.3054, 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.



31.0461, 0.2925, 0.3789



54.8749, 0.2887, 0.3916



31.7901, 0.2738, 0.3370



7.9407, 0.3063, 0.3426



20.6773, 0.2797, 0.5268



0.4437, 0.2592, 0.4532

Inverse Universe

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



21.4474, 0.3402, 0.2840



34.7180, 0.3480, 0.2742



20.8003, 0.3719, 0.3213



7.1530, 0.3197, 0.3158



6.7236, 0.4543, 0.2276



0.1503, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 31.0448, 0.2925, 0.3789 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 31.0448, 0.2925, 0.3789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

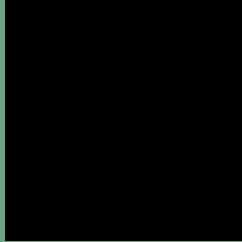
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0448, 0.2925, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 31.0448, 0.2925, 0.3789.



This preview shows how white text looks on a background with the Yxy color 31.0448, 0.2925, 0.3789.

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

31.0448, 0.2925, 0.3789

Protanopia

30.7159, 0.3447, 0.3647

Deuteranopia

30.6030, 0.3478, 0.3410



Tritanopia

31.0093, 0.2688, 0.3081

Trichromacy



Original Color

31.0448, 0.2925, 0.3789

Protanomaly

30.4470, 0.3239, 0.3697

Deuteranomaly

30.3004, 0.3249, 0.3528

Tritanomaly

31.0125, 0.2766, 0.3322

Monochromacy



Original Color

31.0448, 0.2925, 0.3789

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.0132, 0.3049, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0448, 0.2925, 0.3789 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(113, 162, 133)` looks like.

```
.text, #text, p{  
    color:rgb(113, 162, 133)  
}
```

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(113, 162, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 162, 133) }
```

Border

The CSS property to change the border of an element to Yxy 31.0448, 0.2925, 0.3789 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(113, 162, 133) }
```

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

```
.border{ border-color:rgb(113, 162, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 162, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 162, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 162, 133);  
box-shadow:4px 4px 4px 4px rgb(113, 162,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0448, 0.2925, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 162, 133) }
```

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

```
.background{ background-color: rgb(113,  
162, 133) }
```

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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