

Converting Colors

$Y_{xy}(31.0099, 0.3112, 0.3718)$

Have a look what the booklet for
Yxy(31.0099, 0.3112, 0.3718)
contains.

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Color

Yxy(31.0252, 0.3107, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	849E84
RGB	132, 158, 132
RGB Percent	52%, 62%, 52%
CMY	0.4824, 0.3804, 0.4824
CMYK	0.16, 0.00, 0.16, 0.38
HSL	120°, 12%, 57%
HSV	120°, 16%, 62%
XYZ	25.9058, 31.0252, 26.4477
YIQ	147.2620, -7.1500, -13.5980

Conversions

Conversions Part 2

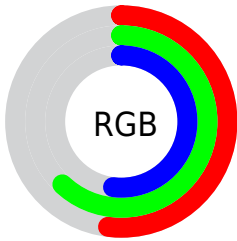
Format	Color
RYB	132, 158, 158
Decimal	8691332
CIELab	62.53, -14.30, 10.61
CIElCh	63, 17.808, 143.443
Yxy	31.0252, 0.3107, 0.3721
Android (android.graphics.Color)	4286881412 (0xFF849E84)
YUV	147.2620, -7.5242, -13.3848
Hunter-Lab	55.7003, -14.4565, 10.8380

Details

The Yxy color **31.0252, 0.3107, 0.3721** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.2370, 0.3146, 0.2894**, and the grayscale version is **29.3253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4056, 0.3111, 0.3635**, and **12.9338, 0.3086, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **29.4477, 0.3093, 0.4026**, and if you desaturate by 10%, it is **32.8637, 0.3120, 0.3448**.

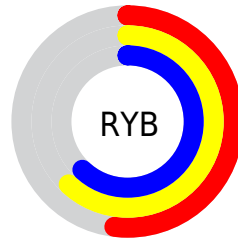
Distribution



Red (52%)

Green (62%)

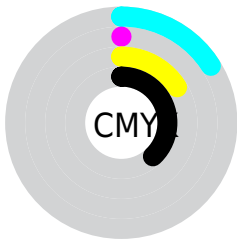
Blue (52%)



Red (52%)

Yellow (62%)

Blue (62%)

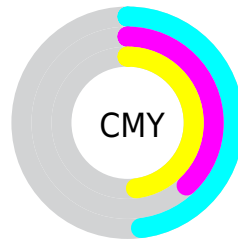


Cyan (16%)

Magenta (0%)

Yellow (16%)

Black (38%)



Cyan (48%)


Magenta (38%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0252, 0.3107, 0.3721 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 31.0252, 0.3107, 0.3721 by changing the saturation by 10% instead.


 31.0252, 0.3107,
0.3721


 31.0252, 0.3107,
0.3721


306.6544, 0.3121,
0.3485

 20.6180, 0.3102,
0.3788


 61.2797, 0.3113,
0.3630

 12.8451, 0.3094,
0.3879


 81.8959, 0.3115,
0.3597

 7.3220, 0.3082,
0.4010


 106.6839, 0.3116,
0.3570

 3.6643, 0.3059,
0.4217

136.0280, 0.3118,
0.3548

 1.4876, 0.3019,
0.4603

170.3128, 0.3119,
0.3529

 0.2800, 0.0000,
1.0000

209.9225, 0.3119,

 0.0000, 0.0000,

0.3512

0.0000

255.2416, 0.3120,
0.3498

■ 31.0252, 0.3107,
0.3721

■ 31.0252, 0.3107,
0.3721

■ 29.4477, 0.3093,
0.4026

■ 32.8637, 0.3120,
0.3448

■ 28.1157, 0.3077,
0.4359

■ 34.9701, 0.3131,
0.3209

■ 27.0180, 0.3061,
0.4709

■ 37.3559, 0.3141,
0.3002

■ 26.1411, 0.3044,
0.5057

■ 40.0308, 0.3149,
0.2823

■ 25.4700, 0.3029,
0.5381

■ 43.0042, 0.3156,
0.2670

■ 24.9879, 0.3016,
0.5652

■ 46.2847, 0.3162,
0.2538

■ 24.6755, 0.3007,
0.5850

■ 49.8808, 0.3168,
0.2425

■ 24.5044, 0.3002,
0.5966

■ 52.9360, 0.3171,
0.2347

■ 24.4562, 0.3000,
0.6000

Harmonies

Analogous

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



31.0252, 0.3389, 0.3799



31.0252, 0.3107, 0.3721



31.0252, 0.2839, 0.3509

Triad

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



31.0252, 0.3107, 0.3721



31.0252, 0.2661, 0.2851



31.0252, 0.3623, 0.3310

Complementary

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



31.0252, 0.3107, 0.3721



26.2370, 0.3146, 0.2894

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.



31.0252, 0.3412, 0.3081



31.0252, 0.3107, 0.3721



31.0252, 0.2854, 0.2822

Square

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



31.0252, 0.3107, 0.3721



31.0252, 0.2590, 0.2998



31.0252, 0.3127, 0.2906



31.0252, 0.3695, 0.3544

Rectangle

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



31.0252, 0.3107, 0.3721



31.0252, 0.2703, 0.3329



31.0252, 0.3127, 0.2906



31.0252, 0.3566, 0.3230

Sweetspot

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



31.0265, 0.3107, 0.3721



60.1695, 0.3121, 0.3414



33.2436, 0.3369, 0.3681



13.5110, 0.3121, 0.3430



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.0265, 0.3107, 0.3721



55.1594, 0.3102, 0.3837



31.3913, 0.2998, 0.3509



7.4011, 0.3116, 0.3521



19.5851, 0.3000, 0.6000



0.3502, 0.3000, 0.6000

Inverse Universe

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



26.2370, 0.3146, 0.2894



44.6792, 0.3150, 0.2798



25.8264, 0.3280, 0.3081



6.7545, 0.3137, 0.3070



7.7959, 0.3209, 0.1541



0.1394, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 31.0252, 0.3107, 0.3721 looks on a white background.

Color Contrast Check

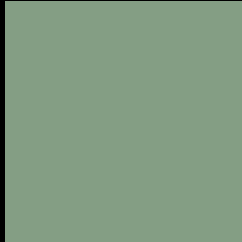
Large Text (above 18pt) WCAG AA × Fail

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 31.0252, 0.3107, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

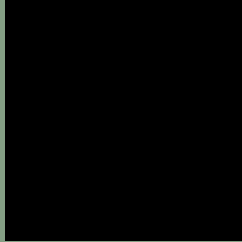
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0252, 0.3107, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 31.0252, 0.3107, 0.3721.



This preview shows how white text looks on a background with the Yxy color 31.0252, 0.3107, 0.3721.

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

31.0252, 0.3107, 0.3721

Protanopia

30.7421, 0.3437, 0.3631

Deuteranopia

30.6580, 0.3511, 0.3439



Tritanopia

30.9389, 0.2869, 0.3087

Trichromacy



Original Color

31.0252, 0.3107, 0.3721

Protanomaly

30.7570, 0.3313, 0.3673

Deuteranomaly

30.7020, 0.3356, 0.3539

Tritanomaly

31.0100, 0.2953, 0.3305

Monochromacy



Original Color

31.0252, 0.3107, 0.3721

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.8370, 0.3120, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0252, 0.3107, 0.3721 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(132, 158, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 158, 132)  
}
```

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(132, 158, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 158, 132) }
```

Border

The CSS property to change the border of an element to Yxy 31.0252, 0.3107, 0.3721 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(132, 158, 132) }
```

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

```
.border{ border-color:rgb(132, 158, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 158, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 158, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 158, 132);  
box-shadow:4px 4px 4px 4px rgb(132, 158,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0252, 0.3107, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 158, 132) }
```

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

```
.background{ background-color: rgb(132,  
158, 132) }
```

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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