

Converting Colors

$Yxy(31.5870, 0.3431, 0.4375)$

Have a look what the booklet for
Yxy(31.5870, 0.3431, 0.4375)
contains.

Yxy(31.7535, 0.3429, 0.4380)	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(31.7535, 0.3429, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	86A260
RGB	134, 162, 96
RGB Percent	53%, 64%, 38%
CMY	0.4746, 0.3647, 0.6235
CMYK	0.17, 0.00, 0.41, 0.36
HSL	85°, 26%, 51%
HSV	85°, 41%, 64%
XYZ	24.8591, 31.7535, 15.8840
YIQ	146.1040, 4.4980, -26.4620

Conversions

Conversions Part 2

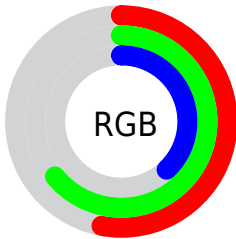
Format	Color
RYB	96, 162, 124
Decimal	8823392
CIELab	63.14, -21.36, 31.16
CIELCh	63, 37.779, 124.427
Yxy	31.7535, 0.3429, 0.4380
Android (android.graphics.Color)	4287013472 (0xFF86A260)
YUV	146.1040, -24.7013, -10.6152
Hunter-Lab	56.3502, -19.8671, 22.7325

Details

The Yxy color **31.7535, 0.3429, 0.4380** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2624, 0.2702, 0.2167**, and the grayscale version is **28.8895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4237, 0.3383, 0.4156**, and **13.2043, 0.3491, 0.4764** is the 20% darker color. If you saturate the color by 10%, you get **30.9395, 0.3485, 0.4662**, and if you desaturate by 10%, it is **32.6686, 0.3362, 0.4096**.

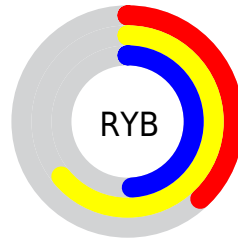
Distribution



Red (53%)

Green (64%)

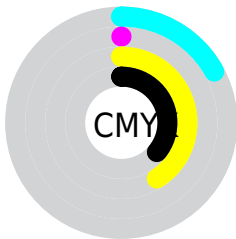
Blue (38%)



Red (38%)

Yellow (64%)

Blue (49%)

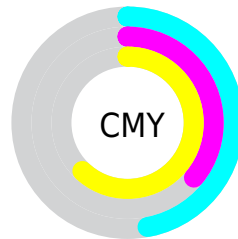


Cyan (17%)

Magenta (0%)

Yellow (41%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7535, 0.3429, 0.4380 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 31.7535, 0.3429, 0.4380 by changing the saturation by 10% instead.

 31.7535, 0.3429,
0.4380


 31.7535, 0.3429,
0.4380


309.9948, 0.3287,
0.3781


 21.1733, 0.3458,
0.4547


 62.4245, 0.3381,
0.4149


 13.2507, 0.3488,
0.4772


 83.2840, 0.3362,
0.4066

 7.6014, 0.3514,
0.5086


 108.3388, 0.3345,
0.3998

 3.8410, 0.3533,
0.5580

 137.9731, 0.3330,
0.3940

 1.5850, 0.3521,
0.6479

172.5715, 0.3317,
0.3891

 0.3475, 0.0000,
1.0000

212.5184, 0.3306,

 0.0000, 0.0000,

0.3849

0.0000

258.1980, 0.3296,
0.3813

■ 31.7535, 0.3429,
0.4380

■ 31.7535, 0.3429,
0.4380

■ 30.9395, 0.3485,
0.4662

■ 32.6686, 0.3362,
0.4096

■ 30.2179, 0.3525,
0.4929

■ 33.6848, 0.3288,
0.3818

■ 29.5851, 0.3545,
0.5168


■ 34.8074, 0.3211,
0.3554


■ 29.0357, 0.3543,
0.5366

■ 36.0399, 0.3133,
0.3308

■ 28.5632, 0.3518,
0.5516

■ 37.3859, 0.3057,
0.3081

 28.1816, 0.3480,
0.5619

 38.8486, 0.2984,
0.2875

 40.4312, 0.2914,
0.2690

 42.1366, 0.2849,
0.2523

 43.9678, 0.2789,
0.2373

Harmonies

Analogous

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



31.7535, 0.3960, 0.4275



31.7535, 0.3429, 0.4380



31.7535, 0.2845, 0.4104

Triad

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



31.7535, 0.3429, 0.4380



31.7535, 0.2080, 0.2534



31.7535, 0.3918, 0.3010

Complementary

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



31.7535, 0.3429, 0.4380



15.2624, 0.2702, 0.2167

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.



31.7535, 0.3335, 0.2637



31.7535, 0.3429, 0.4380



31.7535, 0.2301, 0.2360

Square

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



31.7535, 0.3429, 0.4380



31.7535, 0.2099, 0.2943



31.7535, 0.2742, 0.2405



31.7535, 0.4277, 0.3462

Rectangle

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



31.7535, 0.3429, 0.4380



31.7535, 0.2505, 0.3741



31.7535, 0.2742, 0.2405



31.7535, 0.3738, 0.2874

Sweetspot

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



31.7549, 0.3429, 0.4380



62.8662, 0.3222, 0.3592



22.8182, 0.3949, 0.3730



14.0620, 0.3232, 0.3624



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.



31.7549, 0.3429, 0.4380



56.2738, 0.3481, 0.4639



29.4848, 0.3117, 0.4493



8.0867, 0.3199, 0.3516



22.2244, 0.3486, 0.5614



0.4940, 0.3747, 0.5407

Inverse Universe

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



15.2624, 0.2702, 0.2167



22.1239, 0.2576, 0.1891



18.0932, 0.3103, 0.2290



7.0001, 0.3050, 0.3062



3.0712, 0.1904, 0.0823



0.0921, 0.2337, 0.1061

Previews

White Background



This preview shows how the Yxy color 31.7535, 0.3429, 0.4380 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 31.7535, 0.3429, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

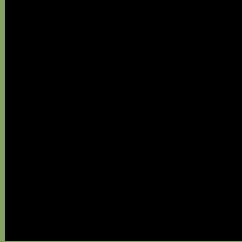
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7535, 0.3429, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 31.7535, 0.3429, 0.4380.



This preview shows how white text looks on a background with the Yxy color 31.7535, 0.3429, 0.4380.

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

31.7535, 0.3429, 0.4380

Protanopia

31.4447, 0.3869, 0.4181

Deuteranopia

31.5451, 0.4008, 0.3938



Tritanopia

31.7937, 0.2925, 0.3106

Trichromacy



Original Color

31.7535, 0.3429, 0.4380

Protanomaly

31.5358, 0.3704, 0.4266

Deuteranomaly

31.3567, 0.3781, 0.4089

Tritanomaly

31.6125, 0.3105, 0.3547

Monochromacy



Original Color

31.7535, 0.3429, 0.4380

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.7658, 0.3251, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7535, 0.3429, 0.4380 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(134, 162, 96)` looks like.

```
.text, #text, p{  
    color:rgb(134, 162, 96)  
}
```

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(134, 162, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 162, 96) }
```

Border

The CSS property to change the border of an element to Yxy 31.7535, 0.3429, 0.4380 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(134, 162, 96) }
```

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

```
.border{ border-color:rgb(134, 162, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 162, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 162, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 162, 96);  
box-shadow:4px 4px 4px 4px rgb(134, 162,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7535, 0.3429, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 162, 96) }
```

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

```
.background{ background-color: rgb(134,  
162, 96) }
```

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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