

Converting Colors

$Y_{xy}(31.1020, 0.3650, 0.4324)$

Have a look what the booklet for
Yxy(31.1020, 0.3650, 0.4324)
contains.

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Color

Yxy(31.2588, 0.3651, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	959D5B
RGB	149, 157, 91
RGB Percent	58%, 62%, 36%
CMY	0.4157, 0.3843, 0.6431
CMYK	0.05, 0.00, 0.42, 0.38
HSL	67°, 27%, 49%
HSV	67°, 42%, 62%
XYZ	26.3388, 31.2588, 14.5437
YIQ	147.0840, 16.4180, -22.2220

Conversions

Conversions Part 2

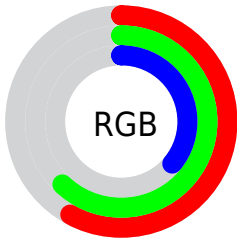
Format	Color
RYB	91, 157, 99
Decimal	9805147
CIELab	62.73, -13.36, 33.50
CIELCh	63, 36.062, 111.737
Yxy	31.2588, 0.3651, 0.4333
Android (android.graphics.Color)	4287995227 (0xFF959D5B)
YUV	147.0840, -27.6494, 1.6803
Hunter-Lab	55.9096, -13.7511, 23.7137

Details

The Yxy color **31.2588, 0.3651, 0.4333** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.5713, 0.2452, 0.2058**, and the grayscale version is **29.3259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3789, 0.3560, 0.4117**, and **13.0239, 0.3786, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **30.8391, 0.3758, 0.4565**, and if you desaturate by 10%, it is **31.7409, 0.3532, 0.4086**.

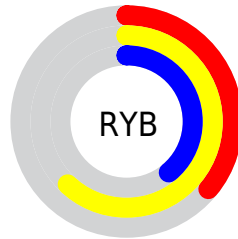
Distribution



Red (58%)

Green (62%)

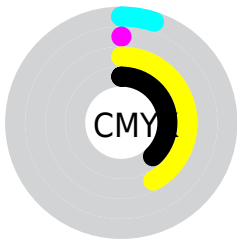
Blue (36%)



Red (36%)

Yellow (62%)

Blue (39%)

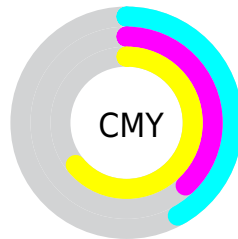


Cyan (5%)

Magenta (0%)

Yellow (42%)

Black (38%)



Cyan (42%)


Magenta (38%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2588, 0.3651, 0.4333 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 31.2588, 0.3651, 0.4333 by changing the saturation by 10% instead.

 31.2588, 0.3651,
0.4333


 31.2588, 0.3651,
0.4333


307.7288, 0.3388,
0.3769


 20.7960, 0.3712,
0.4485


 61.6473, 0.3558,
0.4119

 12.9750, 0.3785,
0.4686


 82.3418, 0.3522,
0.4041

 7.4113, 0.3869,
0.4958


 107.2156, 0.3491,
0.3976

 3.7206, 0.4007,
0.5414

 136.6532, 0.3465,
0.3922

 1.5185, 0.4029,
0.5971

171.0389, 0.3442,
0.3875

 0.3017, 0.0000,
1.0000

210.7572, 0.3422,

 0.0000, 0.0000,

0.3835

0.0000

256.1923, 0.3404,
0.3800

■ 31.2588, 0.3651,
0.4333

■ 31.2588, 0.3651,
0.4333

■ 30.8391, 0.3758,
0.4565

■ 31.7409, 0.3532,
0.4086

■ 30.4741, 0.3848,
0.4773

■ 32.2845, 0.3406,
0.3832

■ 30.1611, 0.3917,
0.4946


■ 32.8941, 0.3279,
0.3581


■ 29.8957, 0.3961,
0.5079

■ 33.5724, 0.3152,
0.3338


■ 29.6724, 0.3980,
0.5168

■ 34.3220, 0.3031,
0.3108

 29.5143, 0.3984,
0.5219

 35.1456, 0.2915,
0.2893

 36.0455, 0.2807,
0.2694

 37.0239, 0.2707,
0.2513

 38.0830, 0.2616,
0.2348

Harmonies

Analogous

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



31.2588, 0.4092, 0.4114



31.2588, 0.3651, 0.4333



31.2588, 0.3092, 0.4225

Triad

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



31.2588, 0.3651, 0.4333



31.2588, 0.2096, 0.2705



31.2588, 0.3664, 0.2856

Complementary

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



31.2588, 0.3651, 0.4333



12.5713, 0.2452, 0.2058

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.



31.2588, 0.3077, 0.2546



31.2588, 0.3651, 0.4333



31.2588, 0.2213, 0.2439

Square

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



31.2588, 0.3651, 0.4333



31.2588, 0.2217, 0.3186



31.2588, 0.2555, 0.2394



31.2588, 0.4122, 0.3269

Rectangle

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



31.2588, 0.3651, 0.4333



31.2588, 0.2731, 0.3953



31.2588, 0.2555, 0.2394



31.2588, 0.3472, 0.2738

Sweetspot

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



31.2602, 0.3651, 0.4333



58.7663, 0.3294, 0.3611



16.7921, 0.4120, 0.3420



12.8799, 0.3320, 0.3663



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



31.2602, 0.3651, 0.4333



55.3013, 0.3747, 0.4541



28.6054, 0.3306, 0.4463



7.6795, 0.3243, 0.3512



23.9797, 0.3985, 0.5217



0.4391, 0.4075, 0.5147

Inverse Universe

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



12.5713, 0.2452, 0.2058



17.4656, 0.2277, 0.1757



14.7995, 0.2845, 0.2182



6.4719, 0.3005, 0.3060



2.0994, 0.1555, 0.0630



0.0473, 0.1785, 0.0757

Previews

White Background



This preview shows how the Yxy color 31.2588, 0.3651, 0.4333 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 31.2588, 0.3651, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

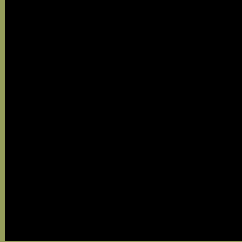
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2588, 0.3651, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 31.2588, 0.3651, 0.4333.



This preview shows how white text looks on a background with the Yxy color 31.2588, 0.3651, 0.4333.

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

31.2588, 0.3651, 0.4333

Protanopia

31.2847, 0.3885, 0.4227

Deuteranopia

31.1262, 0.4075, 0.4004



Tritanopia

31.2362, 0.3095, 0.3110

Trichromacy



Original Color

31.2588, 0.3651, 0.4333

Protanomaly

31.3230, 0.3797, 0.4263

Deuteranomaly

30.9431, 0.3923, 0.4113

Tritanomaly

31.1041, 0.3300, 0.3540

Monochromacy



Original Color

31.2588, 0.3651, 0.4333

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9614, 0.3326, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2588, 0.3651, 0.4333 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(149, 157, 91)` looks like.

```
.text, #text, p{  
    color:rgb(149, 157, 91)  
}
```

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(149, 157, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 157, 91) }
```

Border

The CSS property to change the border of an element to Yxy 31.2588, 0.3651, 0.4333 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(149, 157, 91) }
```

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

```
.border{ border-color:rgb(149, 157, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 157, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 157, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 157, 91);  
box-shadow:4px 4px 4px 4px rgb(149, 157,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2588, 0.3651, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 157, 91) }
```

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

```
.background{ background-color: rgb(149,  
157, 91) }
```

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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