

Converting Colors

$Y_{xy}(31.8332, 0.3383, 0.5385)$

Have a look what the booklet for
Yxy(31.8332, 0.3383, 0.5385)
contains.

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Color

Yxy(31.8897, 0.3381, 0.5387)

Conversions

Conversions Part 1

Format	Color
Hex	62AB2A
RGB	98, 171, 42
RGB Percent	38%, 67%, 16%
CMY	0.6159, 0.3294, 0.8352
CMYK	0.43, 0.00, 0.75, 0.33
HSL	94°, 61%, 42%
HSV	94°, 75%, 67%
XYZ	20.0147, 31.8897, 7.2931
YIQ	134.4670, -2.0990, -55.5950

Conversions

Conversions Part 2

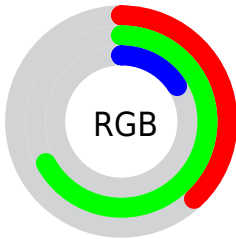
Format	Color
RYB	42, 171, 115
Decimal	6466346
CIELab	63.25, -44.13, 55.42
CIELCh	63, 70.844, 128.534
Yxy	31.8897, 0.3381, 0.5387
Android (android.graphics.Color)	4284656426 (0xFF62AB2A)
YUV	134.4670, -45.5862, -31.9816
Hunter-Lab	56.4710, -35.5595, 31.8725

Details

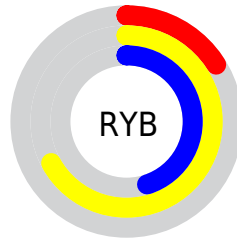
The Yxy color **31.8897, 0.3381, 0.5387** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.2490, 0.2429, 0.1313**, and the grayscale version is **24.1913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6713, 0.3388, 0.4944**, and **13.3882, 0.3194, 0.5846** is the 20% darker color. If you saturate the color by 10%, you get **31.2873, 0.3353, 0.5583**, and if you desaturate by 10%, it is **32.6123, 0.3389, 0.5142**.

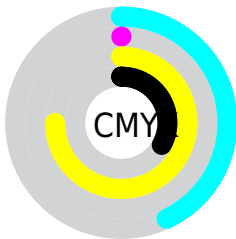
Distribution



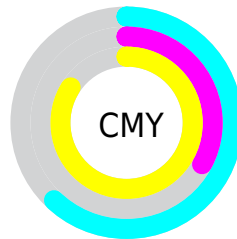
- Red (38%)
- Green (67%)
- Blue (16%)



- Red (16%)
- Yellow (67%)
- Blue (45%)



- Cyan (43%)
- Magenta (0%)
- Yellow (75%)
- Black (33%)




- Cyan (62%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8897, 0.3381, 0.5387 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 31.8897, 0.3381, 0.5387 by changing the saturation by 10% instead.


 31.8897, 0.3381,
0.5387


 31.8897, 0.3381,
0.5387


310.6165, 0.3330,
0.4225

 21.2773, 0.3350,
0.5696


 62.6381, 0.3390,
0.4945


 13.3268, 0.3276,
0.6089


 83.5429, 0.3385,
0.4784

 7.6540, 0.3171,
0.6712


 108.6473, 0.3376,
0.4650

 3.8743, 0.2774,
0.7226

 138.3356, 0.3367,
0.4538

 1.6035, 0.1651,
0.8349

 172.9923, 0.3357,
0.4442

 0.3600, 0.0000,
1.0000

 213.0017, 0.3348,

 0.0000, 0.0000,

0.4359

0.0000

258.7483, 0.3339,
0.4288

■ 31.8897, 0.3381,
0.5387

■ 31.8897, 0.3381,
0.5387

■ 31.2873, 0.3353,
0.5583

■ 32.6123, 0.3389,
0.5142

■ 30.7911, 0.3307,
0.5721

■ 33.4591, 0.3379,
0.4861

■ 30.5913, 0.3284,
0.5774

■ 34.4387, 0.3353,
0.4562

■ 35.5577, 0.3313,
0.4258

■ 36.8221, 0.3266,
0.3962

■ 38.2375, 0.3213,
0.3681

■ 39.8094, 0.3157,
0.3421

■ 41.5428, 0.3102,
0.3184

■ 43.4424, 0.3047,
0.2971

Harmonies

Analogous

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



31.8897, 0.4346, 0.5022



31.8897, 0.3381, 0.5387



31.8897, 0.2403, 0.4811

Triad

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



31.8897, 0.3381, 0.5387



31.8897, 0.1416, 0.1888



31.8897, 0.4726, 0.2841

Complementary

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



31.8897, 0.3381, 0.5387



8.2490, 0.2429, 0.1313

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.



31.8897, 0.3629, 0.2248



31.8897, 0.3381, 0.5387



31.8897, 0.1792, 0.1721

Square

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



31.8897, 0.3381, 0.5387



31.8897, 0.1370, 0.2451



31.8897, 0.2538, 0.1855



31.8897, 0.5273, 0.3534

Rectangle

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



31.8897, 0.3381, 0.5387



31.8897, 0.1879, 0.3969



31.8897, 0.2538, 0.1855



31.8897, 0.4395, 0.2628

Sweetspot

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



31.8911, 0.3381, 0.5387



66.4273, 0.3255, 0.3904



20.6295, 0.4746, 0.4236



14.6246, 0.3273, 0.4006



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.8911, 0.3381, 0.5387



55.3705, 0.3321, 0.5688



29.8397, 0.2993, 0.5560



9.1028, 0.3179, 0.3520



23.0885, 0.3291, 0.5769



0.6750, 0.3546, 0.5567

Inverse Universe

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



8.2490, 0.2429, 0.1313



10.8590, 0.2239, 0.1044



13.0176, 0.3294, 0.1759



7.9726, 0.3071, 0.3062



4.1578, 0.2173, 0.0971



0.1472, 0.2488, 0.1144

Previews

White Background



This preview shows how the Yxy color 31.8897, 0.3381, 0.5387 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 31.8897, 0.3381, 0.5387 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 31.8897, 0.3381, 0.5387

Background



This preview shows how black text looks on a background with the Yxy color 31.8897, 0.3381, 0.5387.



This preview shows how white text looks on a background with the Yxy color 31.8897, 0.3381, 0.5387.

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

31.8897, 0.3381, 0.5387

Protanopia

31.5740, 0.4293, 0.4753

Deuteranopia

31.4550, 0.4494, 0.4417



Tritanopia

31.5567, 0.2654, 0.3081

Trichromacy



Original Color

31.8897, 0.3381, 0.5387

Protanomaly

31.2174, 0.3922, 0.5010

Deuteranomaly

30.5011, 0.4069, 0.4770

Tritanomaly

30.9901, 0.2964, 0.3954

Monochromacy



Original Color

31.8897, 0.3381, 0.5387

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.8720, 0.3293, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8897, 0.3381, 0.5387 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(98, 171, 42)` looks like.

```
.text, #text, p{  
    color:rgb(98, 171, 42)  
}
```

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(98, 171, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 171, 42) }
```

Border

The CSS property to change the border of an element to Yxy 31.8897, 0.3381, 0.5387 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(98, 171, 42) }
```

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

```
.border{ border-color:rgb(98, 171, 42) }
```

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

Here you see how a box with a 4 pixel rgb(98, 171, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 171, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 171, 42);  
box-shadow:4px 4px 4px 4px rgb(98, 171,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8897, 0.3381, 0.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 171, 42) }
```

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

```
.background{ background-color: rgb(98, 171,  
42) }
```

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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