

Converting Colors

$Y_{xy}(31.5913, 0.3916, 0.5273)$

Have a look what the booklet for
Yxy(31.5913, 0.3916, 0.5273)
contains.

Yxy(31.5128, 0.3917, 0.5272)	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(31.5128, 0.3917, 0.5272)

Conversions

Conversions Part 1

Format	Color
Hex	89A300
RGB	137, 163, 0
RGB Percent	54%, 64%, 0%
CMY	0.4628, 0.3608, 1.0000
CMYK	0.16, 0.00, 1.00, 0.36
HSL	70°, 100%, 32%
HSV	70°, 100%, 64%
XYZ	23.4134, 31.5128, 4.8477
YIQ	136.6440, 36.8270, -56.2050

Conversions

Conversions Part 2

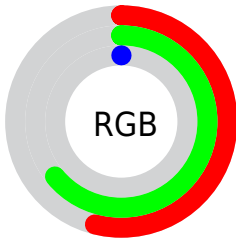
Format	Color
RYB	0, 163, 26
Decimal	9020160
CIELab	62.94, -26.82, 65.22
CIELCh	63, 70.514, 112.353
Yxy	31.5128, 0.3917, 0.5272
Android (android.graphics.Color)	4287210240 (0xFF89A300)
YUV	136.6440, -67.3655, 0.3122
Hunter-Lab	56.1363, -23.7893, 34.1754

Details

The Yxy color **31.5128, 0.3917, 0.5272** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.8642, 0.1573, 0.0640**, and the grayscale version is **25.1242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1066, 0.3836, 0.4907**, and **13.1627, 0.3758, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **31.5143, 0.3917, 0.5272**, and if you desaturate by 10%, it is **31.7750, 0.3919, 0.5201**.

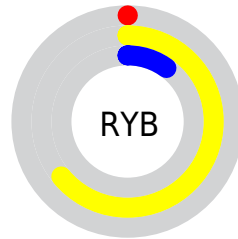
Distribution



Red (54%)

Green (64%)

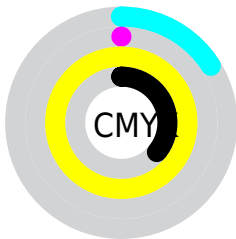
Blue (0%)



Red (0%)

Yellow (64%)

Blue (10%)

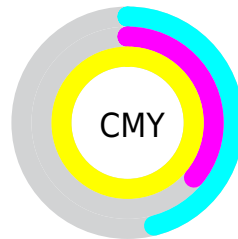


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (46%)


Magenta (36%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5128, 0.3917, 0.5272 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 31.5128, 0.3917, 0.5272 by changing the saturation by 10% instead.


 31.5128, 0.3917,
0.5272


 31.5128, 0.3917,
0.5272

 308.8939, 0.3601,
0.4240


 20.9896, 0.3941,
0.5507


 62.0465, 0.3837,
0.4905


 13.1164, 0.3938,
0.5790


 82.8259, 0.3795,
0.4763

 7.5088, 0.3873,
0.6127


 107.7928, 0.3755,
0.4642

 3.7823, 0.3605,
0.6395

 137.3316, 0.3718,
0.4538

 1.5525, 0.3128,
0.6872

 171.8267, 0.3685,
0.4448

 0.3253, 0.0000,
1.0000


 211.6625, 0.3654,


 0.0000, 0.0000,


0.4370

0.0000


 257.2234, 0.3627,
0.4301


 31.5128, 0.3917,
0.5272


 31.5128, 0.3917,
0.5272


 31.5143, 0.3917,
0.5272

 31.7750, 0.3919,
0.5201

 32.0721, 0.3902,
0.5096

 32.4186, 0.3860,
0.4947

 32.8202, 0.3793,
0.4759

 33.2819, 0.3706,
0.4538

■ 33.8078, 0.3603,
0.4296

■ 34.4020, 0.3489,
0.4041

■ 35.0678, 0.3369,
0.3784

■ 35.8087, 0.3247,
0.3532

Harmonies

Analogous

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



31.5128, 0.4782, 0.4637



31.5128, 0.3917, 0.5272



31.5128, 0.2917, 0.5255

Triad

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



31.5128, 0.3917, 0.5272



31.5128, 0.1351, 0.2134



31.5128, 0.4167, 0.2503

Complementary

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



31.5128, 0.3917, 0.5272



2.8642, 0.1573, 0.0640

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.



31.5128, 0.3009, 0.2007



31.5128, 0.3917, 0.5272



31.5128, 0.1547, 0.1770

Square

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



31.5128, 0.3917, 0.5272



31.5128, 0.1490, 0.2968



31.5128, 0.2087, 0.1749



31.5128, 0.5071, 0.3152

Rectangle

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



31.5128, 0.3917, 0.5272



31.5128, 0.2292, 0.4666



31.5128, 0.2087, 0.1749



31.5128, 0.3779, 0.2315

Sweetspot

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



31.5143, 0.3917, 0.5272



61.5448, 0.3495, 0.4056



8.4590, 0.6247, 0.3422



13.7240, 0.3542, 0.4158



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.



31.5143, 0.3917, 0.5272



56.3632, 0.3912, 0.5276



27.0674, 0.3194, 0.5846



8.1798, 0.3238, 0.3514



24.5072, 0.3920, 0.5270



0.5293, 0.4026, 0.5186

Inverse Universe

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



2.8642, 0.1573, 0.0640



5.0720, 0.1563, 0.0634



5.7058, 0.2352, 0.1070



6.9117, 0.3010, 0.3059



2.2396, 0.1579, 0.0643



0.0616, 0.1852, 0.0794

Previews

White Background



This preview shows how the Yxy color 31.5128, 0.3917, 0.5272 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 31.5128, 0.3917, 0.5272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

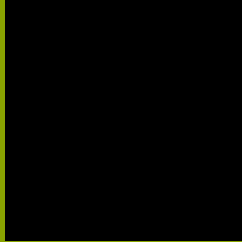
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5128, 0.3917, 0.5272

Background



This preview shows how black text looks on a background with the Yxy color 31.5128, 0.3917, 0.5272.



This preview shows how white text looks on a background with the Yxy color 31.5128, 0.3917, 0.5272.

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

31.5128, 0.3917, 0.5272

Protanopia

31.2271, 0.4412, 0.4879

Deuteranopia

31.2368, 0.4653, 0.4553



Tritanopia

31.2616, 0.3007, 0.3107

Trichromacy



Original Color

31.5128, 0.3917, 0.5272

Protanomaly

31.1479, 0.4226, 0.5027

Deuteranomaly

30.9475, 0.4391, 0.4821

Tritanomaly

30.4619, 0.3501, 0.4118

Monochromacy



Original Color

31.5128, 0.3917, 0.5272

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5643, 0.3608, 0.4295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5128, 0.3917, 0.5272 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(137, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 163, 0)  
}
```

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(137, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.5128, 0.3917, 0.5272 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(137, 163, 0) }
```

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

```
.border{ border-color:rgb(137, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5128, 0.3917, 0.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 163, 0) }
```

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

```
.background{ background-color: rgb(137,  
163, 0) }
```

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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