

Converting Colors

$Y_{xy}(30.7148, 0.4122, 0.5165)$

Have a look what the booklet for
Yxy(30.7148, 0.4122, 0.5165)
contains.

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Color

Yxy(30.8433, 0.4095, 0.5130)

Conversions

Conversions Part 1

Format	Color
Hex	959E00
RGB	149, 158, 0
RGB Percent	58%, 62%, 0%
CMY	0.4157, 0.3804, 0.9994
CMYK	0.06, 0.00, 1.00, 0.38
HSL	63°, 100%, 31%
HSV	63°, 100%, 62%
XYZ	24.6205, 30.8433, 4.6596
YIQ	137.2970, 45.3540, -51.0460

Conversions

Conversions Part 2

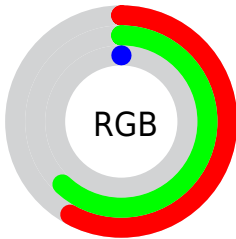
Format	Color
RYB	0, 158, 9
Decimal	9805312
CIELab	62.38, -19.09, 65.17
CIELCh	62, 67.913, 106.329
Yxy	30.8433, 0.4095, 0.5130
Android (android.graphics.Color)	4287995392 (0xFF959E00)
YUV	137.2970, -67.6874, 10.2635
Hunter-Lab	55.5367, -18.0567, 33.9013

Details

The Yxy color **30.8433, 0.4095, 0.5130** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5312, 0.1522, 0.0612**, and the grayscale version is **25.3898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8334, 0.3984, 0.4802**, and **12.8951, 0.3991, 0.5213** is the 20% darker color. If you saturate the color by 10%, you get **30.8436, 0.4095, 0.5130**, and if you desaturate by 10%, it is **30.9669, 0.4079, 0.5077**.

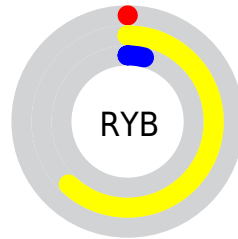
Distribution



Red (58%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (4%)

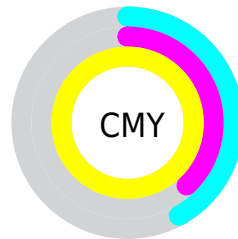


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (42%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8433, 0.4095, 0.5130 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 30.8433, 0.4095, 0.5130 by changing the saturation by 10% instead.


 30.8433, 0.4095,
0.5130


 30.8433, 0.4095,
0.5130


305.8158, 0.3679,
0.4192

 20.4796, 0.4147,
0.5334


 60.9933, 0.3976,
0.4803

 12.7441, 0.4183,
0.5576


 81.5483, 0.3920,
0.4674


 7.2526, 0.4161,
0.5839


 106.2692, 0.3869,
0.4564


 3.6206, 0.3968,
0.6032

 135.5404, 0.3823,
0.4469

 1.4637, 0.3635,
0.6365

 169.7462, 0.3781,
0.4386

 0.2629, 0.0000,
1.0000

 209.2711, 0.3743,

 0.0000, 0.0000,


0.4313

0.0000


 254.4995, 0.3709,
0.4249


 30.8433, 0.4095,
0.5130


 30.8433, 0.4095,
0.5130


 30.8436, 0.4095,
0.5130

 30.9669, 0.4079,
0.5077

 31.1184, 0.4043,
0.4991

 31.3117, 0.3982,
0.4862

 31.5520, 0.3898,
0.4694

 31.8438, 0.3792,
0.4493

■ 32.1910, 0.3670,
0.4266

■ 32.5971, 0.3538,
0.4024

■ 33.0654, 0.3400,
0.3775

■ 33.5988, 0.3262,
0.3528

Harmonies

Analogous

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



30.8433, 0.4881, 0.4468



30.8433, 0.4095, 0.5130



30.8433, 0.3128, 0.5273

Triad

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



30.8433, 0.4095, 0.5130



30.8433, 0.1390, 0.2290



30.8433, 0.3913, 0.2411

Complementary

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



30.8433, 0.4095, 0.5130



2.5312, 0.1522, 0.0612

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.



30.8433, 0.2806, 0.1965



30.8433, 0.4095, 0.5130



30.8433, 0.1518, 0.1848

Square

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



30.8433, 0.4095, 0.5130



30.8433, 0.1602, 0.3207



30.8433, 0.1978, 0.1765



30.8433, 0.4885, 0.3028

Rectangle

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



30.8433, 0.4095, 0.5130



30.8433, 0.2494, 0.4831



30.8433, 0.1978, 0.1765



30.8433, 0.3532, 0.2238

Sweetspot

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



30.8447, 0.4095, 0.5130



59.1375, 0.3547, 0.4041



7.4446, 0.6355, 0.3334



13.2641, 0.3601, 0.4138



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.



30.8447, 0.4095, 0.5130



55.9770, 0.4093, 0.5132



25.8027, 0.3309, 0.5754



7.7011, 0.3253, 0.3512



24.7063, 0.4096, 0.5130



0.4470, 0.4138, 0.5097

Inverse Universe

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



2.5312, 0.1522, 0.0612



4.5597, 0.1515, 0.0608



4.4968, 0.2136, 0.0951



6.4524, 0.2996, 0.3060



2.0297, 0.1524, 0.0613



0.0410, 0.1638, 0.0676

Previews

White Background



This preview shows how the Yxy color 30.8433, 0.4095, 0.5130 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 30.8433, 0.4095, 0.5130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

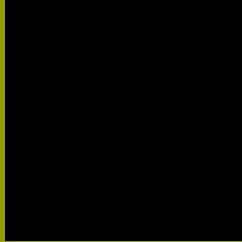
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8433, 0.4095, 0.5130

Background



This preview shows how black text looks on a background with the Yxy color 30.8433, 0.4095, 0.5130.



This preview shows how white text looks on a background with the Yxy color 30.8433, 0.4095, 0.5130.

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

30.8433, 0.4095, 0.5130

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.6623, 0.4656, 0.4570



Tritanopia

30.8096, 0.3155, 0.3126

Trichromacy



Original Color

30.8433, 0.4095, 0.5130

Protanomaly

30.7926, 0.4281, 0.4983

Deuteranomaly

30.3312, 0.4463, 0.4773

Tritanomaly

30.1407, 0.3667, 0.4075

Monochromacy



Original Color

30.8433, 0.4095, 0.5130

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.6016, 0.3660, 0.4264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8433, 0.4095, 0.5130 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, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 158, 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(149, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.8433, 0.4095, 0.5130 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, 158, 0) }
```

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

```
.border{ border-color:rgb(149, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8433, 0.4095, 0.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 158, 0) }
```

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

```
.background{ background-color: rgb(149,  
158, 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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