

Converting Colors

$Y_{xy}(31.7396, 0.3933, 0.5259)$

Have a look what the booklet for
Yxy(31.7396, 0.3933, 0.5259)
contains.

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Color

Yxy(31.6834, 0.3938, 0.5255)

Conversions

Conversions Part 1

Format	Color
Hex	8BA300
RGB	139, 163, 0
RGB Percent	55%, 64%, 0%
CMY	0.4550, 0.3608, 0.9997
CMYK	0.15, 0.00, 1.00, 0.36
HSL	69°, 100%, 32%
HSV	69°, 100%, 64%
XYZ	23.7430, 31.6834, 4.8656
YIQ	137.2420, 38.0190, -55.7810

Conversions

Conversions Part 2

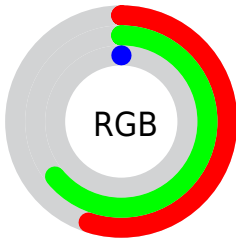
Format	Color
RYB	0, 163, 24
Decimal	9151232
CIELab	63.08, -25.97, 65.37
CIELCh	63, 70.342, 111.663
Yxy	31.6834, 0.3938, 0.5255
Android (android.graphics.Color)	4287341312 (0xFF8BA300)
YUV	137.2420, -67.6603, 1.5418
Hunter-Lab	56.2880, -23.2106, 34.2766

Details

The Yxy color **31.6834, 0.3938, 0.5255** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8413, 0.1565, 0.0636**, and the grayscale version is **25.3658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3730, 0.3853, 0.4897**, and **13.2537, 0.3788, 0.5375** is the 20% darker color. If you saturate the color by 10%, you get **31.6839, 0.3938, 0.5255**, and if you desaturate by 10%, it is **31.9324, 0.3938, 0.5187**.

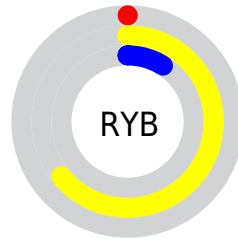
Distribution



Red (55%)

Green (64%)

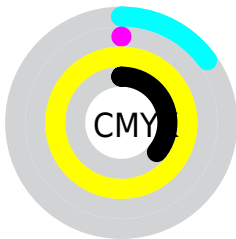
Blue (0%)



Red (0%)

Yellow (64%)

Blue (9%)

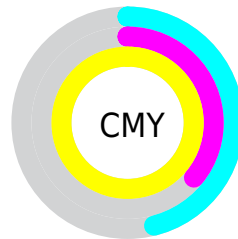


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (46%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6834, 0.3938, 0.5255 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 31.6834, 0.3938, 0.5255 by changing the saturation by 10% instead.


 31.6834, 0.3938,
0.5255


 31.6834, 0.3938,
0.5255


309.6745, 0.3611,
0.4236

 21.1198, 0.3966,
0.5486


 62.3144, 0.3853,
0.4893

 13.2116, 0.3966,
0.5762


 83.1506, 0.3810,
0.4753

 7.5744, 0.3909,
0.6091


 108.1798, 0.3769,
0.4634

 3.8239, 0.3652,
0.6348

 137.7864, 0.3731,
0.4531

 1.5755, 0.3203,
0.6797

 172.3548, 0.3697,
0.4442


 0.3410, 0.0000,
1.0000


 212.2693, 0.3665,


 0.0000, 0.0000,


0.4364


0.0000


 257.9144, 0.3637,
0.4296

 31.6834, 0.3938,
0.5255


 31.6834, 0.3938,
0.5255


 31.6839, 0.3938,
0.5255

 31.9324, 0.3938,
0.5187

 32.2155, 0.3919,
0.5083

 32.5474, 0.3874,
0.4937

 32.9336, 0.3806,
0.4751

 33.3791, 0.3716,
0.4532

■ 33.8882, 0.3611,
0.4292

■ 34.4646, 0.3494,
0.4039

■ 35.1120, 0.3372,
0.3783

■ 35.8336, 0.3248,
0.3531

Harmonies

Analogous

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



31.6834, 0.4794, 0.4617



31.6834, 0.3938, 0.5255



31.6834, 0.2942, 0.5258

Triad

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



31.6834, 0.3938, 0.5255



31.6834, 0.1356, 0.2151



31.6834, 0.4137, 0.2493

Complementary

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



31.6834, 0.3938, 0.5255



2.8413, 0.1565, 0.0636

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.



31.6834, 0.2984, 0.2002



31.6834, 0.3938, 0.5255



31.6834, 0.1544, 0.1779

Square

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



31.6834, 0.3938, 0.5255



31.6834, 0.1503, 0.2995



31.6834, 0.2074, 0.1751



31.6834, 0.5049, 0.3138

Rectangle

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



31.6834, 0.3938, 0.5255



31.6834, 0.2316, 0.4686



31.6834, 0.2074, 0.1751



31.6834, 0.3750, 0.2307

Sweetspot

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



31.6848, 0.3938, 0.5255



61.6520, 0.3501, 0.4054



8.3533, 0.6270, 0.3403



13.7510, 0.3549, 0.4156



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.



31.6848, 0.3938, 0.5255



56.6689, 0.3933, 0.5259



27.1520, 0.3211, 0.5832



8.1841, 0.3240, 0.3514



24.6371, 0.3940, 0.5253



0.5312, 0.4038, 0.5176

Inverse Universe

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



2.8413, 0.1565, 0.0636



5.0303, 0.1555, 0.0630



5.5451, 0.2315, 0.1049



6.9077, 0.3009, 0.3059



2.2193, 0.1570, 0.0639



0.0602, 0.1827, 0.0780

Previews

White Background



This preview shows how the Yxy color 31.6834, 0.3938, 0.5255 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 31.6834, 0.3938, 0.5255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

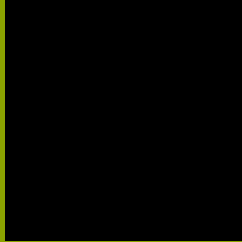
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6834, 0.3938, 0.5255

Background



This preview shows how black text looks on a background with the Yxy color 31.6834, 0.3938, 0.5255.



This preview shows how white text looks on a background with the Yxy color 31.6834, 0.3938, 0.5255.

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

31.6834, 0.3938, 0.5255

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

31.5411, 0.4641, 0.4564



Tritanopia

31.7762, 0.3027, 0.3124

Trichromacy



Original Color

31.6834, 0.3938, 0.5255

Protanomaly

31.5875, 0.4226, 0.5027

Deuteranomaly

31.3844, 0.4390, 0.4822

Tritanomaly

30.9795, 0.3519, 0.4126

Monochromacy



Original Color

31.6834, 0.3938, 0.5255

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.6492, 0.3620, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6834, 0.3938, 0.5255 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(139, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.6834, 0.3938, 0.5255 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(139, 163, 0) }
```

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

```
.border{ border-color:rgb(139, 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(139, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6834, 0.3938, 0.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 163, 0) }
```

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

```
.background{ background-color: rgb(139,  
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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