

Converting Colors

$Y_{xy}(31.9861, 0.4121, 0.4985)$

Have a look what the booklet for
Yxy(31.9861, 0.4121, 0.4985)
contains.

Yxy(32.0390, 0.4120, 0.4983)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.0390, 0.4120, 0.4983)

Conversions

Conversions Part 1

Format	Color
Hex	9D9F1A
RGB	157, 159, 26
RGB Percent	62%, 62%, 10%
CMY	0.3843, 0.3765, 0.8979
CMYK	0.01, 0.00, 0.84, 0.38
HSL	61°, 72%, 36%
HSV	61°, 84%, 62%
XYZ	26.4902, 32.0390, 5.7674
YIQ	143.2400, 41.5010, -41.7870

Conversions

Conversions Part 2

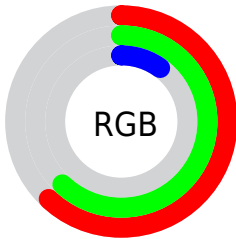
Format	Color
R _Y B	26, 159, 28
Decimal	10329882
CIE Lab	63.38, -15.53, 61.74
CIE LCh	63, 63.666, 104.120
Yxy	32.0390, 0.4120, 0.4983
Android (android.graphics.Color)	4288519962 (0xFF9D9F1A)
YUV	143.2400, -57.7993, 12.0675
Hunter-Lab	56.6030, -15.5173, 33.5809

Details

The Yxy color **32.0390, 0.4120, 0.4983** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.4915, 0.1627, 0.0799**, and the grayscale version is **27.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6914, 0.3989, 0.4678**, and **13.5499, 0.4101, 0.5126** is the 20% darker color. If you saturate the color by 10%, you get **31.9639, 0.4154, 0.5046**, and if you desaturate by 10%, it is **32.1566, 0.4062, 0.4879**.

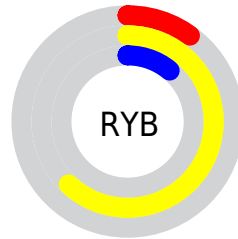
Distribution



Red (62%)

Green (62%)

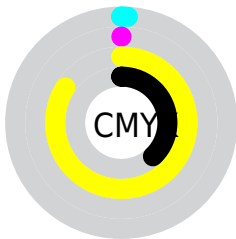
Blue (10%)



Red (10%)

Yellow (62%)

Blue (11%)

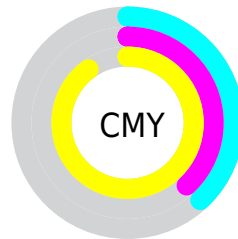


Cyan (1%)

Magenta (0%)

Yellow (84%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0390, 0.4120, 0.4983 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 32.0390, 0.4120, 0.4983 by changing the saturation by 10% instead.


 32.0390, 0.4120,
0.4983


 32.0390, 0.4120,
0.4983


311.2969, 0.3675,
0.4124


 21.3913, 0.4189,
0.5173


 62.8722, 0.3984,
0.4682

 13.4103, 0.4245,
0.5389


 83.8265, 0.3923,
0.4564


 7.7117, 0.4309,
0.5691


 108.9851, 0.3870,
0.4463

 3.9110, 0.4161,
0.5839

 138.7325, 0.3821,
0.4376

 1.6239, 0.3909,
0.6091

 173.4529, 0.3779,
0.4300

 0.3736, 0.0000,
1.0000

 213.5309, 0.3740,

 0.0000, 0.0000,

0.4234

0.0000

259.3507, 0.3706,
0.4176

■ 32.0390, 0.4120,
0.4983

■ 32.0390, 0.4120,
0.4983

■ 31.9639, 0.4154,
0.5046

■ 32.1566, 0.4062,
0.4879

■ 31.9264, 0.4167,
0.5073

■ 32.3178, 0.3978,
0.4734

■ 32.5290, 0.3873,
0.4552

■ 32.7944, 0.3749,
0.4341

■ 33.1177, 0.3612,
0.4109

■ 33.5023, 0.3468,
0.3865

■ 33.9513, 0.3322,
0.3618

■ 34.4676, 0.3178,
0.3376

■ 35.0541, 0.3039,
0.3143

Harmonies

Analogous

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



32.0390, 0.4824, 0.4373



32.0390, 0.4120, 0.4983



32.0390, 0.3217, 0.5132

Triad

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



32.0390, 0.4120, 0.4983



32.0390, 0.1492, 0.2413



32.0390, 0.3783, 0.2429

Complementary

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



32.0390, 0.4120, 0.4983



3.4915, 0.1627, 0.0799

Split Complementary

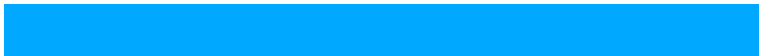
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.0390, 0.2765, 0.2018



32.0390, 0.4120, 0.4983



32.0390, 0.1589, 0.1955

Square

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



32.0390, 0.4120, 0.4983



32.0390, 0.1729, 0.3304



32.0390, 0.2006, 0.1847



32.0390, 0.4706, 0.3010

Rectangle

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



32.0390, 0.4120, 0.4983



32.0390, 0.2613, 0.4763



32.0390, 0.2006, 0.1847



32.0390, 0.3431, 0.2269

Sweetspot

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



32.0405, 0.4120, 0.4983



59.8610, 0.3495, 0.3911



8.1867, 0.5986, 0.3298



13.4430, 0.3543, 0.3992



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.



32.0405, 0.4120, 0.4983



57.1669, 0.4167, 0.5073



27.1744, 0.3441, 0.5484



7.7153, 0.3259, 0.3511



25.2173, 0.4168, 0.5073



0.4523, 0.4179, 0.5064

Inverse Universe

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



3.4915, 0.1627, 0.0799



4.5031, 0.1504, 0.0602



5.5464, 0.2222, 0.1111



6.4398, 0.2990, 0.3059



1.9910, 0.1506, 0.0604



0.0368, 0.1537, 0.0621

Previews

White Background



This preview shows how the Yxy color 32.0390, 0.4120, 0.4983 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 32.0390, 0.4120, 0.4983 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 32.0390, 0.4120, 0.4983

Background



This preview shows how black text looks on a background with the Yxy color 32.0390, 0.4120, 0.4983.



This preview shows how white text looks on a background with the Yxy color 32.0390, 0.4120, 0.4983.

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

32.0390, 0.4120, 0.4983

Protanopia

32.0656, 0.4348, 0.4814

Deuteranopia

31.7096, 0.4623, 0.4521



Tritanopia

31.9334, 0.3207, 0.3116

Trichromacy



Original Color

32.0390, 0.4120, 0.4983

Protanomaly

32.0626, 0.4262, 0.4880

Deuteranomaly

31.6203, 0.4443, 0.4685

Tritanomaly

31.3907, 0.3643, 0.3916

Monochromacy



Original Color

32.0390, 0.4120, 0.4983

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.7109, 0.3596, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0390, 0.4120, 0.4983 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(157, 159, 26)` looks like.

```
.text, #text, p{  
    color:rgb(157, 159, 26)  
}
```

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(157, 159, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 159, 26) }
```

Border

The CSS property to change the border of an element to Yxy 32.0390, 0.4120, 0.4983 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(157, 159, 26) }
```

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

```
.border{ border-color:rgb(157, 159, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 159, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 159, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 159, 26);  
box-shadow:4px 4px 4px 4px rgb(157, 159,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0390, 0.4120, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 159, 26) }
```

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

```
.background{ background-color: rgb(157,  
159, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor