

Converting Colors

$Y_{xy}(32.1968, 0.4193, 0.5053)$

Have a look what the booklet for
Yxy(32.1968, 0.4193, 0.5053)
contains.

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Color

Yxy(32.1672, 0.4193, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	9F9F00
RGB	159, 159, 0
RGB Percent	62%, 62%, 0%
CMY	0.3766, 0.3764, 1.0000
CMYK	0.00, 0.00, 1.00, 0.38
HSL	60°, 100%, 31%
HSV	60°, 100%, 62%
XYZ	26.6925, 32.1672, 4.7999
YIQ	140.8740, 51.0390, -49.4490

Conversions

Conversions Part 2

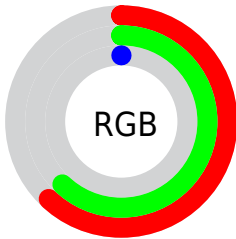
Format	Color
RYB	0, 159, 0
Decimal	10460928
CIELab	63.48, -15.16, 66.38
CIELCh	63, 68.093, 102.863
Yxy	32.1672, 0.4193, 0.5053
Android (android.graphics.Color)	4288651008 (0xFF9F9F00)
YUV	140.8740, -69.4509, 15.8965
Hunter-Lab	56.7161, -15.2453, 34.6835

Details

The Yxy color **32.1672, 0.4193, 0.5053** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.5038, 0.1500, 0.0600**, and the grayscale version is **26.8463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8346, 0.4056, 0.4751**, and **13.6087, 0.4117, 0.5113** is the 20% darker color. If you saturate the color by 10%, you get **32.1688, 0.4193, 0.5053**, and if you desaturate by 10%, it is **32.2063, 0.4167, 0.5010**.

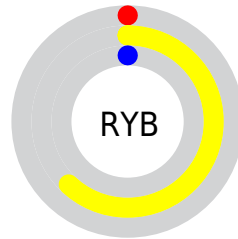
Distribution



Red (62%)

Green (62%)

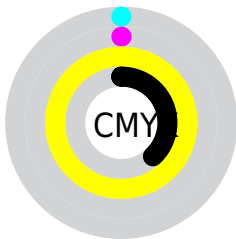
Blue (0%)



Red (0%)

Yellow (62%)

Blue (0%)

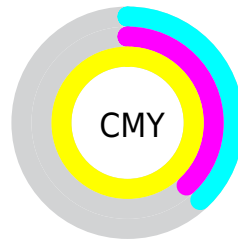


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1672, 0.4193, 0.5053 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 32.1672, 0.4193, 0.5053 by changing the saturation by 10% instead.

 32.1672, 0.4193,
0.5053


 32.1672, 0.4193,
0.5053


311.8802, 0.3726,
0.4175


 21.4892, 0.4259,
0.5236


 63.0731, 0.4055,
0.4753

 13.4821, 0.4311,
0.5446

 84.0699, 0.3993,
0.4633

 7.7613, 0.4324,
0.5676


 109.2750, 0.3936,
0.4529

 3.9426, 0.4181,
0.5819

 139.0729, 0.3885,
0.4439

 1.6415, 0.3937,
0.6063

 173.8480, 0.3839,
0.4360

 0.3853, 0.0000,
1.0000


 213.9846, 0.3797,


 0.0000, 0.0000,

0.4291

0.0000

 259.8672, 0.3760,
0.4230


 32.1672, 0.4193,
0.5053

 32.1672, 0.4193,
0.5053


 32.1688, 0.4193,
0.5053

 32.2063, 0.4167,
0.5010

 32.2728, 0.4122,
0.4936

 32.3809, 0.4052,
0.4820

 32.5360, 0.3958,
0.4664

 32.7426, 0.3842,
0.4473

■ 33.0047, 0.3711,
0.4255

■ 33.3259, 0.3568,
0.4019

■ 33.7095, 0.3420,
0.3775

■ 34.1586, 0.3272,
0.3530

Harmonies

Analogous

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



32.1672, 0.4934, 0.4376



32.1672, 0.4193, 0.5053



32.1672, 0.3245, 0.5278

Triad

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



32.1672, 0.4193, 0.5053



32.1672, 0.1411, 0.2380



32.1672, 0.3775, 0.2357

Complementary

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



32.1672, 0.4193, 0.5053



2.5038, 0.1500, 0.0600

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.



32.1672, 0.2697, 0.1940



32.1672, 0.4193, 0.5053



32.1672, 0.1500, 0.1892

Square

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



32.1672, 0.4193, 0.5053



32.1672, 0.1666, 0.3345



32.1672, 0.1918, 0.1772



32.1672, 0.4780, 0.2956

Rectangle

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



32.1672, 0.4193, 0.5053



32.1672, 0.2606, 0.4917



32.1672, 0.1918, 0.1772



32.1672, 0.3398, 0.2193

Sweetspot

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



32.1688, 0.4193, 0.5053



59.6381, 0.3577, 0.4033



7.3721, 0.6401, 0.3300



13.3915, 0.3634, 0.4128



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.



32.1688, 0.4193, 0.5053



57.6019, 0.4193, 0.5053



26.4844, 0.3374, 0.5703



7.7203, 0.3261, 0.3511



25.4039, 0.4193, 0.5053



0.4543, 0.4193, 0.5053

Inverse Universe

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



2.5038, 0.1500, 0.0600



4.4833, 0.1500, 0.0600



4.1877, 0.2034, 0.0894



6.4353, 0.2987, 0.3059



1.9773, 0.1500, 0.0600



0.0354, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 32.1672, 0.4193, 0.5053 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 32.1672, 0.4193, 0.5053 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 32.1672, 0.4193, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 32.1672, 0.4193, 0.5053.

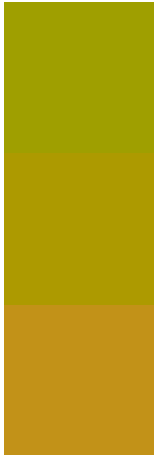


This preview shows how white text looks on a background with the Yxy color 32.1672, 0.4193, 0.5053.

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

32.1672, 0.4193, 0.5053

Protanopia

31.9954, 0.4399, 0.4889

Deuteranopia

32.0931, 0.4662, 0.4577



Tritanopia

32.1180, 0.3238, 0.3131

Trichromacy



Original Color

32.1672, 0.4193, 0.5053

Protanomaly

32.1018, 0.4323, 0.4950

Deuteranomaly

31.9915, 0.4493, 0.4758

Tritanomaly

31.3954, 0.3762, 0.4060

Monochromacy



Original Color

32.1672, 0.4193, 0.5053

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.2139, 0.3696, 0.4231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1672, 0.4193, 0.5053 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(159, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 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(159, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.1672, 0.4193, 0.5053 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(159, 159, 0) }
```

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

```
.border{ border-color:rgb(159, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1672, 0.4193, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 0) }
```

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

```
.background{ background-color: rgb(159,  
159, 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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