

Converting Colors

$Y_{xy}(32.7357, 0.4052, 0.5165)$

Have a look what the booklet for
Yxy(32.7357, 0.4052, 0.5165)
contains.

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Color

Yxy(32.6784, 0.4056, 0.5162)

Conversions

Conversions Part 1

Format	Color
Hex	96A300
RGB	150, 163, 0
RGB Percent	59%, 64%, 0%
CMY	0.4117, 0.3608, 1.0000
CMYK	0.08, 0.00, 1.00, 0.36
HSL	65°, 100%, 32%
HSV	65°, 100%, 64%
XYZ	25.6768, 32.6784, 4.9505
YIQ	140.5310, 44.5750, -53.4490

Conversions

Conversions Part 2

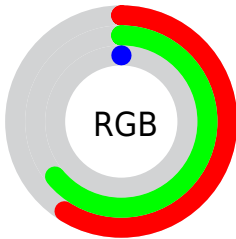
Format	Color
RYB	0, 163, 13
Decimal	9872128
CIELab	63.90, -21.17, 66.38
CIELCh	64, 69.670, 107.690
Yxy	32.6784, 0.4056, 0.5162
Android (android.graphics.Color)	4288062208 (0xFF96A300)
YUV	140.5310, -69.2818, 8.3043
Hunter-Lab	57.1650, -19.8620, 34.8810

Details

The Yxy color **32.6784, 0.4056, 0.5162** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7298, 0.1529, 0.0616**, and the grayscale version is **26.7080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0607, 0.3946, 0.4828**, and **13.7486, 0.3938, 0.5256** is the 20% darker color. If you saturate the color by 10%, you get **32.6802, 0.4056, 0.5162**, and if you desaturate by 10%, it is **32.8423, 0.4044, 0.5106**.

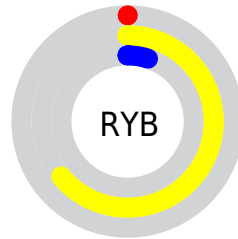
Distribution



Red (59%)

Green (64%)

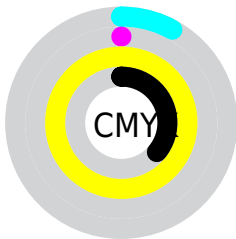
Blue (0%)



Red (0%)

Yellow (64%)

Blue (5%)

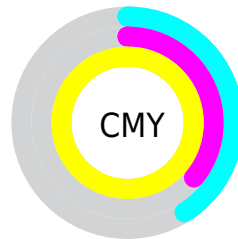


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (41%)

Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6784, 0.4056, 0.5162 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 32.6784, 0.4056, 0.5162 by changing the saturation by 10% instead.


 32.6784, 0.4056,
0.5162


 32.6784, 0.4056,
0.5162


314.1981, 0.3666,
0.4212


 21.8802, 0.4101,
0.5369


 63.8731, 0.3947,
0.4831


 13.7689, 0.4125,
0.5610


 85.0384, 0.3895,
0.4701

 7.9601, 0.4106,
0.5894


 110.4282, 0.3847,
0.4589

 4.0694, 0.3906,
0.6094

 140.4268, 0.3804,
0.4492

 1.7125, 0.3568,
0.6432

 175.4187, 0.3764,
0.4408

 0.4317, 0.0000,
1.0000

 215.7883, 0.3728,


 0.0000, 0.0000,


0.4335


0.0000

 261.9200, 0.3696,
0.4270


 32.6784, 0.4056,
0.5162

 32.6784, 0.4056,
0.5162


 32.6802, 0.4056,
0.5162

 32.8423, 0.4044,
0.5106

 33.0369, 0.4013,
0.5016

 33.2768, 0.3957,
0.4884

 33.5679, 0.3876,
0.4712

 33.9149, 0.3775,
0.4507

■ 34.3221, 0.3657,
0.4276

■ 34.7933, 0.3529,
0.4031

■ 35.3322, 0.3395,
0.3780

■ 35.9418, 0.3260,
0.3531

Harmonies

Analogous

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



32.6784, 0.4860, 0.4505



32.6784, 0.4056, 0.5162



32.6784, 0.3081, 0.5272

Triad

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



32.6784, 0.4056, 0.5162



32.6784, 0.1381, 0.2254



32.6784, 0.3970, 0.2431

Complementary

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



32.6784, 0.4056, 0.5162



2.7298, 0.1529, 0.0616

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.



32.6784, 0.2850, 0.1974



32.6784, 0.4056, 0.5162



32.6784, 0.1524, 0.1830

Square

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



32.6784, 0.4056, 0.5162



32.6784, 0.1576, 0.3153



32.6784, 0.2001, 0.1761



32.6784, 0.4928, 0.3056

Rectangle

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



32.6784, 0.4056, 0.5162



32.6784, 0.2448, 0.4796



32.6784, 0.2001, 0.1761



32.6784, 0.3586, 0.2255

Sweetspot

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



32.6802, 0.4056, 0.5162



62.2620, 0.3536, 0.4045



8.0228, 0.6345, 0.3344



13.9051, 0.3589, 0.4144



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.



32.6802, 0.4056, 0.5162



58.4867, 0.4053, 0.5164



27.5202, 0.3287, 0.5772



8.2085, 0.3250, 0.3513



25.4077, 0.4057, 0.5161



0.5417, 0.4110, 0.5119

Inverse Universe

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



2.7298, 0.1529, 0.0616



4.8537, 0.1522, 0.0612



4.9386, 0.2168, 0.0968



6.8857, 0.2999, 0.3059



2.1303, 0.1533, 0.0618



0.0524, 0.1682, 0.0700

Previews

White Background



This preview shows how the Yxy color 32.6784, 0.4056, 0.5162 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 32.6784, 0.4056, 0.5162 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 32.6784, 0.4056, 0.5162

Background



This preview shows how black text looks on a background with the Yxy color 32.6784, 0.4056, 0.5162.

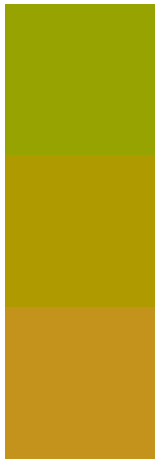


This preview shows how white text looks on a background with the Yxy color 32.6784, 0.4056, 0.5162.

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

32.6784, 0.4056, 0.5162

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.5487, 0.4650, 0.4568



Tritanopia

32.4589, 0.3125, 0.3114

Trichromacy



Original Color

32.6784, 0.4056, 0.5162

Protanomaly

32.5607, 0.4279, 0.4984

Deuteranomaly

32.4066, 0.4444, 0.4788

Tritanomaly

31.7113, 0.3642, 0.4078

Monochromacy



Original Color

32.6784, 0.4056, 0.5162

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.1624, 0.3645, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6784, 0.4056, 0.5162 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(150, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.6784, 0.4056, 0.5162 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(150, 163, 0) }
```

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

```
.border{ border-color:rgb(150, 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(150, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6784, 0.4056, 0.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 163, 0) }
```

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

```
.background{ background-color: rgb(150,  
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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