

Converting Colors

$Yxy(35.7135, 0.4375, 0.4927)$

Have a look what the booklet for
Yxy(35.7135, 0.4375, 0.4927)
contains.

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Color

Yxy(35.7781, 0.4359, 0.4921)

Conversions

Conversions Part 1

Format	Color
Hex	B3A300
RGB	179, 163, 0
RGB Percent	70%, 64%, 0%
CMY	0.2979, 0.3608, 1.0000
CMYK	0.00, 0.09, 1.00, 0.30
HSL	55°, 100%, 35%
HSV	55°, 100%, 70%
XYZ	31.6921, 35.7781, 5.2348
YIQ	149.2020, 61.8590, -47.3010

Conversions

Conversions Part 2

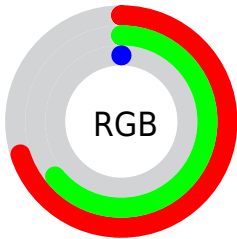
Format	Color
RYB	18, 179, 0
Decimal	11772672
CIELab	66.35, -8.24, 69.26
CIElCh	66, 69.748, 96.785
Yxy	35.7781, 0.4359, 0.4921
Android (android.graphics.Color)	4289962752 (0xFFB3A300)
YUV	149.2020, -73.5566, 26.1328
Hunter-Lab	59.8148, -10.1000, 36.6815

Details

The Yxy color **35.7781, 0.4359, 0.4921** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.6272, 0.1517, 0.0661**, and the grayscale version is **30.4432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0153, 0.4191, 0.4667**, and **15.7259, 0.4339, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **35.7798, 0.4359, 0.4921**, and if you desaturate by 10%, it is **36.3961, 0.4314, 0.4893**.

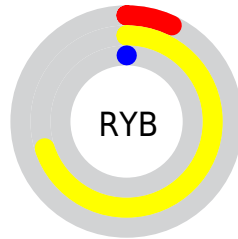
Distribution



Red (70%)

Green (64%)

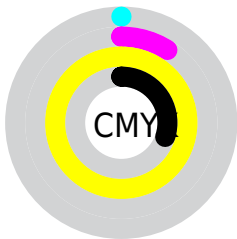
Blue (0%)



Red (7%)

Yellow (70%)

Blue (0%)

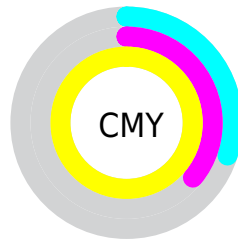


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7781, 0.4359, 0.4921 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 35.7781, 0.4359, 0.4921 by changing the saturation by 10% instead.


 35.7781, 0.4359,
0.4921


 35.7781, 0.4359,
0.4921


327.9896, 0.3814,
0.4149

 24.2629, 0.4446,
0.5069


 68.6894, 0.4193,
0.4668

 15.5287, 0.4524,
0.5226


 90.8543, 0.4119,
0.4563


 9.1913, 0.4595,
0.5405


 117.3379, 0.4054,
0.4471

 4.8662, 0.4528,
0.5472

 148.5245, 0.3995,
0.4390

 2.1690, 0.4419,
0.5581

 184.7986, 0.3942,
0.4319

 0.7030, 0.3991,
0.6009

 226.5446, 0.3894,

 0.0000, 0.0000,

0.4256

0.0000

274.1468, 0.3852,
0.4199

35.7781, 0.4359,
0.4921

35.7781, 0.4359,
0.4921

35.7798, 0.4359,
0.4921

36.3961, 0.4314,
0.4893

37.0590, 0.4247,
0.4830

37.7838, 0.4153,
0.4723

38.5777, 0.4035,
0.4576

39.4468, 0.3897,
0.4394

■ 40.3965, 0.3747,
0.4188

■ 41.4317, 0.3590,
0.3966

■ 42.5569, 0.3431,
0.3738

■ 43.7761, 0.3276,
0.3511

Harmonies

Analogous

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



35.7781, 0.5019, 0.4222



35.7781, 0.4359, 0.4921



35.7781, 0.3444, 0.5275

Triad

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



35.7781, 0.4359, 0.4921



35.7781, 0.1447, 0.2545



35.7781, 0.3542, 0.2265

Complementary

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



35.7781, 0.4359, 0.4921



3.6272, 0.1517, 0.0661

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.



35.7781, 0.2517, 0.1896



35.7781, 0.4359, 0.4921



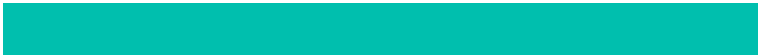
35.7781, 0.1470, 0.1970

Square

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



35.7781, 0.4359, 0.4921



35.7781, 0.1779, 0.3590



35.7781, 0.1817, 0.1784



35.7781, 0.4593, 0.2831

Rectangle

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



35.7781, 0.4359, 0.4921



35.7781, 0.2801, 0.5051



35.7781, 0.1817, 0.1784



35.7781, 0.3175, 0.2116

Sweetspot

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



35.7798, 0.4359, 0.4921



74.0814, 0.3598, 0.3978



9.6302, 0.6282, 0.3234



16.2381, 0.3664, 0.4071



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.7798, 0.4359, 0.4921



63.8881, 0.4362, 0.4919



35.4023, 0.3513, 0.5593



9.7739, 0.3265, 0.3495



25.3247, 0.4357, 0.4923



0.8345, 0.4306, 0.4963

Inverse Universe

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



3.6272, 0.1517, 0.0661



6.3572, 0.1514, 0.0649



4.6185, 0.1847, 0.0791



8.3485, 0.2985, 0.3076



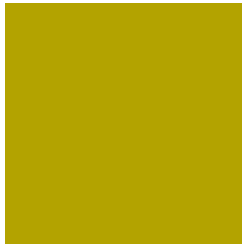
2.6060, 0.1520, 0.0671



0.1219, 0.1596, 0.0946

Previews

White Background



This preview shows how the Yxy color 35.7781, 0.4359, 0.4921 looks on a white background.

Color Contrast Check

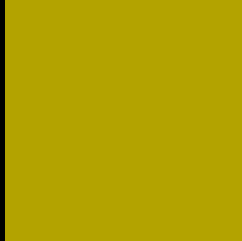
Large Text (above 18pt) WCAG AA × Fail

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 35.7781, 0.4359, 0.4921 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 35.7781, 0.4359, 0.4921

Background



This preview shows how black text looks on a background with the Yxy color 35.7781, 0.4359, 0.4921.

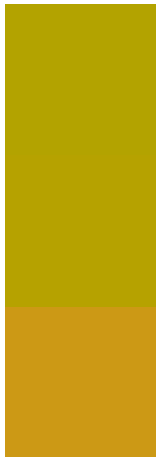


This preview shows how white text looks on a background with the Yxy color 35.7781, 0.4359, 0.4921.

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

35.7781, 0.4359, 0.4921

Protanopia

35.7857, 0.4400, 0.4888

Deuteranopia

35.6740, 0.4684, 0.4587



Tritanopia

35.5964, 0.3399, 0.3130

Trichromacy



Original Color

35.7781, 0.4359, 0.4921

Protanomaly

35.6644, 0.4390, 0.4896

Deuteranomaly

35.7451, 0.4567, 0.4714

Tritanomaly

34.7565, 0.3935, 0.3996

Monochromacy



Original Color

35.7781, 0.4359, 0.4921

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.4110, 0.3752, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7781, 0.4359, 0.4921 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(179, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.7781, 0.4359, 0.4921 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(179, 163, 0) }
```

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

```
.border{ border-color:rgb(179, 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(179, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7781, 0.4359, 0.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 163, 0) }
```

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

```
.background{ background-color: rgb(179,  
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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