

Converting Colors

$Y_{xy}(36.7395, 0.4312, 0.4785)$

Have a look what the booklet for
Yxy(36.7395, 0.4312, 0.4785)
contains.

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Color

Yxy(36.7395, 0.4312, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	B7A423
RGB	183, 164, 35
RGB Percent	72%, 64%, 14%
CMY	0.2823, 0.3568, 0.8629
CMYK	0.00, 0.10, 0.81, 0.28
HSL	52°, 68%, 43%
HSV	52°, 81%, 72%
XYZ	33.1078, 36.7395, 6.9333
YIQ	154.9750, 52.7330, -36.0910

Conversions

Conversions Part 2

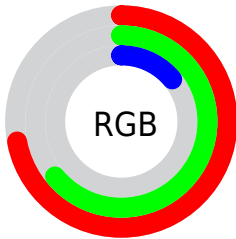
Format	Color
RYB	57, 183, 35
Decimal	12035107
CIELab	67.08, -6.30, 63.38
CIELCh	67, 63.691, 95.681
Yxy	36.7395, 0.4312, 0.4785
Android (android.graphics.Color)	4290225187 (0xFFB7A423)
YUV	154.9750, -59.1477, 24.5779
Hunter-Lab	60.6131, -8.5736, 35.6472

Details

The Yxy color **36.7395, 0.4312, 0.4785** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.4109, 0.1690, 0.1027**, and the grayscale version is **33.0155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3130, 0.4134, 0.4550**, and **16.2459, 0.4380, 0.4904** is the 20% darker color. If you saturate the color by 10%, you get **35.8265, 0.4388, 0.4839**, and if you desaturate by 10%, it is **37.7282, 0.4208, 0.4687**.

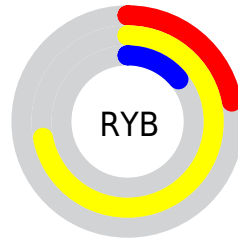
Distribution



Red (72%)

Green (64%)

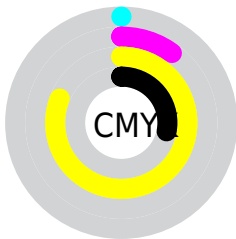
Blue (14%)



Red (22%)

Yellow (72%)

Blue (14%)

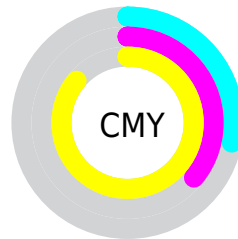


Cyan (0%)

Magenta (10%)

Yellow (81%)

Black (28%)



Cyan (28%)


Magenta (36%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7395, 0.4312, 0.4785 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 36.7395, 0.4312, 0.4785 by changing the saturation by 10% instead.


 36.7395, 0.4312,
0.4785


 36.7395, 0.4312,
0.4785

332.1813, 0.3769,
0.4067

 25.0059, 0.4410,
0.4930


 70.1720, 0.4138,
0.4544


 16.0814, 0.4508,
0.5089


 92.6396, 0.4065,
0.4447

 9.5818, 0.4654,
0.5325


 119.4539, 0.4000,
0.4362

 5.1226, 0.4615,
0.5385

 150.9995, 0.3942,
0.4288

 2.3194, 0.4535,
0.5465

 187.6606, 0.3891,
0.4222

 0.7839, 0.4299,
0.5701

 229.8217, 0.3846,

 0.0000, 0.0000,

0.4165

0.0000

277.8671, 0.3805,
0.4113

■ 36.7395, 0.4312,
0.4785

■ 36.7395, 0.4312,
0.4785

■ 35.8265, 0.4388,
0.4839

■ 37.7282, 0.4208,
0.4687

■ 35.0420, 0.4438,
0.4858

■ 38.7951, 0.4081,
0.4547

■ 39.9487, 0.3935,
0.4373

■ 41.1947, 0.3776,
0.4175

■ 42.5384, 0.3613,
0.3961

■ 43.9845, 0.3449,
0.3740

■ 45.5376, 0.3291,
0.3521

■ 47.2017, 0.3140,
0.3309

■ 48.9807, 0.2999,
0.3106

Harmonies

Analogous

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



36.7395, 0.4887, 0.4159



36.7395, 0.4312, 0.4785



36.7395, 0.3477, 0.5081

Triad

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



36.7395, 0.4312, 0.4785



36.7395, 0.1579, 0.2653



36.7395, 0.3473, 0.2328

Complementary

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



36.7395, 0.4312, 0.4785



6.4109, 0.1690, 0.1027

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.



36.7395, 0.2544, 0.1990



36.7395, 0.4312, 0.4785



36.7395, 0.1584, 0.2093

Square

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



36.7395, 0.4312, 0.4785



36.7395, 0.1914, 0.3612



36.7395, 0.1901, 0.1898



36.7395, 0.4426, 0.2856

Rectangle

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



36.7395, 0.4312, 0.4785



36.7395, 0.2881, 0.4882



36.7395, 0.1901, 0.1898



36.7395, 0.3142, 0.2191

Sweetspot

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



36.7413, 0.4312, 0.4785



77.8424, 0.3506, 0.3818



11.5408, 0.5616, 0.3114



16.9901, 0.3564, 0.3896



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.7413, 0.4312, 0.4785



62.9746, 0.4429, 0.4852



38.6357, 0.3618, 0.5326



10.3014, 0.3267, 0.3488



24.5147, 0.4435, 0.4860



0.9195, 0.4364, 0.4917

Inverse Universe

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



6.4109, 0.1690, 0.1027



7.4700, 0.1538, 0.0716



6.7550, 0.2031, 0.1032



8.9004, 0.2984, 0.3084



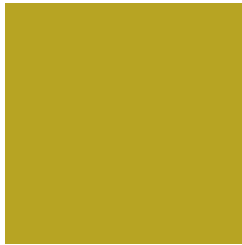
2.8842, 0.1531, 0.0711



0.1622, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 36.7395, 0.4312, 0.4785 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 36.7395, 0.4312, 0.4785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

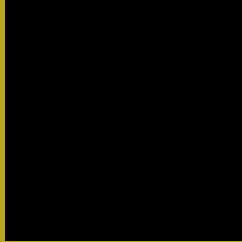
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7395, 0.4312, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 36.7395, 0.4312, 0.4785.



This preview shows how white text looks on a background with the Yxy color 36.7395, 0.4312, 0.4785.

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

36.7395, 0.4312, 0.4785

Protanopia

36.8626, 0.4322, 0.4778

Deuteranopia

36.5750, 0.4605, 0.4518



Tritanopia

36.7055, 0.3406, 0.3132

Trichromacy



Original Color

36.7395, 0.4312, 0.4785

Protanomaly

36.8626, 0.4322, 0.4778

Deuteranomaly

36.4640, 0.4503, 0.4612

Tritanomaly

36.2408, 0.3832, 0.3824

Monochromacy



Original Color

36.7395, 0.4312, 0.4785

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.6007, 0.3639, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7395, 0.4312, 0.4785 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(183, 164, 35)` looks like.

```
.text, #text, p{  
    color:rgb(183, 164, 35)  
}
```

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(183, 164, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 164, 35) }
```

Border

The CSS property to change the border of an element to Yxy 36.7395, 0.4312, 0.4785 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(183, 164, 35) }
```

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

```
.border{ border-color:rgb(183, 164, 35) }
```

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

Here you see how a box with a 4 pixel rgb(183, 164, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 164, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 164, 35);  
box-shadow:4px 4px 4px 4px rgb(183, 164,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7395, 0.4312, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 164, 35) }
```

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

```
.background{ background-color: rgb(183,  
164, 35) }
```

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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