

Converting Colors

$Y_{xy}(37.1505, 0.4455, 0.4845)$

Have a look what the booklet for
Yxy(37.1505, 0.4455, 0.4845)
contains.

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Color

Yxy(37.0132, 0.4459, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	BDA300
RGB	189, 163, 0
RGB Percent	74%, 64%, 0%
CMY	0.2588, 0.3608, 1.0000
CMYK	0.00, 0.14, 1.00, 0.26
HSL	52°, 100%, 37%
HSV	52°, 100%, 74%
XYZ	34.0855, 37.0132, 5.3433
YIQ	152.1920, 67.8190, -45.1810

Conversions

Conversions Part 2

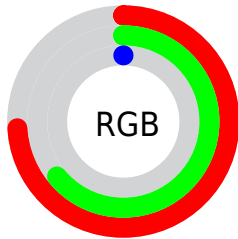
Format	Color
R _Y B	30, 189, 0
Decimal	12428032
CIE Lab	67.29, -3.76, 70.38
CIE LCh	67, 70.476, 93.060
Yxy	37.0132, 0.4459, 0.4842
Android (android.graphics.Color)	4290618112 (0xFFBDA300)
YUV	152.1920, -75.0307, 32.2806
Hunter-Lab	60.8385, -6.4606, 37.3796

Details

The Yxy color **37.0132, 0.4459, 0.4842** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4141, 0.1530, 0.0707**, and the grayscale version is **31.7974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8043, 0.4269, 0.4619**, and **16.4136, 0.4465, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **37.0153, 0.4459, 0.4842**, and if you desaturate by 10%, it is **37.9953, 0.4401, 0.4823**.

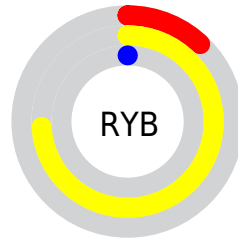
Distribution



Red (74%)

Green (64%)

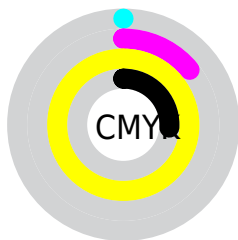
Blue (0%)



Red (12%)

Yellow (74%)

Blue (0%)

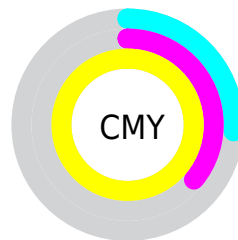


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0132, 0.4459, 0.4842 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 37.0132, 0.4459, 0.4842 by changing the saturation by 10% instead.

 37.0132, 0.4459,
0.4842


 37.0132, 0.4459,
0.4842


333.3677, 0.3864,
0.4128


 25.2177, 0.4558,
0.4971


 70.5931, 0.4275,
0.4614


 16.2393, 0.4652,
0.5103


 93.1463, 0.4195,
0.4517


 9.6937, 0.4749,
0.5251


 120.0541, 0.4124,
0.4432

 5.1963, 0.4721,
0.5279

 151.7011, 0.4060,
0.4356

 2.3629, 0.4674,
0.5326

 188.4715, 0.4003,
0.4289

 0.8067, 0.4555,
0.5445

 230.7499, 0.3952,

 0.0000, 0.0000,

0.4229

0.0000

278.9204, 0.3906,
0.4176

37.0132, 0.4459,
0.4842

37.0132, 0.4459,
0.4842

37.0153, 0.4459,
0.4842

37.9953, 0.4401,
0.4823

39.0397, 0.4319,
0.4767

40.1652, 0.4211,
0.4666

41.3801, 0.4078,
0.4524

42.6915, 0.3928,
0.4349

■ 44.1056, 0.3767,
0.4150

■ 45.6283, 0.3601,
0.3936

■ 47.2645, 0.3437,
0.3717

■ 49.0191, 0.3278,
0.3500

Harmonies

Analogous

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



37.0132, 0.5069, 0.4130



37.0132, 0.4459, 0.4842



37.0132, 0.3564, 0.5267

Triad

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



37.0132, 0.4459, 0.4842



37.0132, 0.1469, 0.2651



37.0132, 0.3403, 0.2207

Complementary

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



37.0132, 0.4459, 0.4842



4.4141, 0.1530, 0.0707

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.



37.0132, 0.2410, 0.1869



37.0132, 0.4459, 0.4842



37.0132, 0.1451, 0.2019

Square

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



37.0132, 0.4459, 0.4842



37.0132, 0.1849, 0.3744



37.0132, 0.1756, 0.1791



37.0132, 0.4478, 0.2754

Rectangle

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



37.0132, 0.4459, 0.4842



37.0132, 0.2919, 0.5125



37.0132, 0.1756, 0.1791



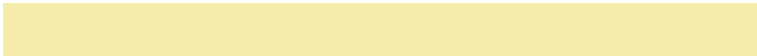
37.0132, 0.3043, 0.2068

Sweetspot

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



37.0153, 0.4459, 0.4842



81.5715, 0.3609, 0.3947



10.9061, 0.6197, 0.3187



17.2900, 0.3679, 0.4038



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.0153, 0.4459, 0.4842



66.0194, 0.4463, 0.4838



40.6018, 0.3590, 0.5532



10.8905, 0.3268, 0.3486



24.9839, 0.4455, 0.4845



1.0413, 0.4383, 0.4902

Inverse Universe

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



4.4141, 0.1530, 0.0707



7.7068, 0.1525, 0.0691



4.8384, 0.1767, 0.0747



9.4315, 0.2984, 0.3086



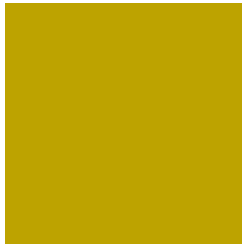
3.0367, 0.1534, 0.0721



0.1883, 0.1630, 0.1066

Previews

White Background



This preview shows how the Yxy color 37.0132, 0.4459, 0.4842 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 37.0132, 0.4459, 0.4842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

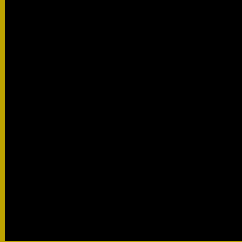
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0132, 0.4459, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 37.0132, 0.4459, 0.4842.

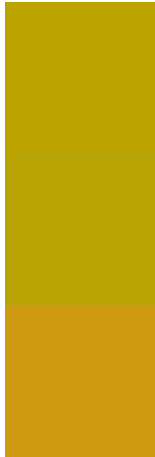


This preview shows how white text looks on a background with the Yxy color 37.0132, 0.4459, 0.4842.

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

37.0132, 0.4459, 0.4842

Protanopia

36.8762, 0.4401, 0.4872

Deuteranopia

36.7551, 0.4693, 0.4591



Tritanopia

36.7833, 0.3491, 0.3135

Trichromacy



Original Color

37.0132, 0.4459, 0.4842

Protanomaly

36.9966, 0.4414, 0.4868

Deuteranomaly

36.7596, 0.4605, 0.4688

Tritanomaly

36.0443, 0.4041, 0.3966

Monochromacy



Original Color

37.0132, 0.4459, 0.4842

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.6393, 0.3778, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0132, 0.4459, 0.4842 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(189, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.0132, 0.4459, 0.4842 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(189, 163, 0) }
```

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

```
.border{ border-color:rgb(189, 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(189, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0132, 0.4459, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 163, 0) }
```

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

```
.background{ background-color: rgb(189,  
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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