

Converting Colors

$Yxy(37.3142, 0.4305, 0.4563)$

Have a look what the booklet for
Yxy(37.3142, 0.4305, 0.4563)
contains.

Yxy(37.2124, 0.4309, 0.4563)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2124, 0.4309, 0.4563)

Conversions

Conversions Part 1

Format	Color
Hex	BFA239
RGB	191, 162, 57
RGB Percent	75%, 64%, 22%
CMY	0.2511, 0.3647, 0.7765
CMYK	0.00, 0.15, 0.70, 0.25
HSL	47°, 54%, 49%
HSV	47°, 70%, 75%
XYZ	35.1410, 37.2124, 9.1991
YIQ	158.7010, 50.9890, -26.5070

Conversions

Conversions Part 2

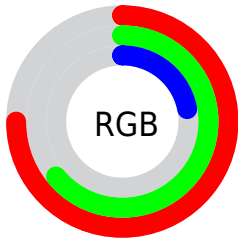
Format	Color
RYB	94, 191, 57
Decimal	12558905
CIELab	67.44, -0.78, 56.10
CIElCh	67, 56.102, 90.792
Yxy	37.2124, 0.4309, 0.4563
Android (android.graphics.Color)	4290748985 (0xFFBFA239)
YUV	158.7010, -50.1386, 28.3262
Hunter-Lab	61.0020, -3.9262, 33.7604

Details

The Yxy color **37.2124, 0.4309, 0.4563** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.2785, 0.1887, 0.1476**, and the grayscale version is **34.7426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0755, 0.4112, 0.4359**, and **16.4372, 0.4523, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **35.6271, 0.4445, 0.4653**, and if you desaturate by 10%, it is **38.9207, 0.4151, 0.4432**.

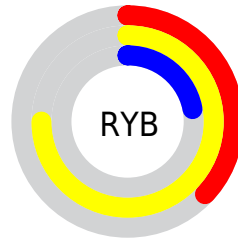
Distribution



Red (75%)

Green (64%)

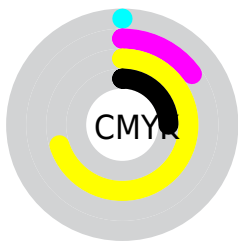
Blue (22%)



Red (37%)

Yellow (75%)

Blue (22%)

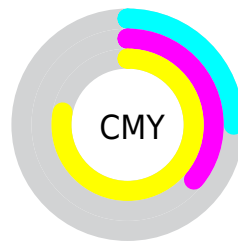


Cyan (0%)

Magenta (15%)

Yellow (70%)

Black (25%)



Cyan (25%)


Magenta (36%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2124, 0.4309, 0.4563 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 37.2124, 0.4309, 0.4563 by changing the saturation by 10% instead.

 37.2124, 0.4309,
0.4563


 37.2124, 0.4309,
0.4563


334.2292, 0.3743,
0.3950

 25.3720, 0.4426,
0.4691


 70.8993, 0.4118,
0.4355


 16.3544, 0.4557,
0.4835


 93.5146, 0.4041,
0.4272


 9.7753, 0.4701,
0.4997


 120.4904, 0.3974,
0.4200

 5.2502, 0.4842,
0.5158

 152.2109, 0.3916,
0.4137

 2.3948, 0.4833,
0.5167

 189.0607, 0.3865,
0.4081

 0.8232, 0.4812,
0.5188

 231.4241, 0.3819,

 0.0000, 0.0000,

0.4033

0.0000

279.6854, 0.3779,
0.3989

■ 37.2124, 0.4309,
0.4563

■ 37.2124, 0.4309,
0.4563

■ 35.6271, 0.4445,
0.4653

■ 38.9207, 0.4151,
0.4432

■ 34.1505, 0.4554,
0.4696

■ 40.7543, 0.3978,
0.4269

■ 32.7886, 0.4636,
0.4701

■ 42.7217, 0.3799,
0.4083

■ 44.8291, 0.3620,
0.3886

■ 47.0821, 0.3447,
0.3684

■ 49.4860, 0.3282,
0.3485

■ 52.0455, 0.3130,
0.3293

■ 54.7654, 0.2989,
0.3112

■ 57.6500, 0.2862,
0.2942

Harmonies

Analogous

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



37.2124, 0.4744, 0.4005



37.2124, 0.4309, 0.4563



37.2124, 0.3593, 0.4853

Triad

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



37.2124, 0.4309, 0.4563



37.2124, 0.1765, 0.2860



37.2124, 0.3295, 0.2364

Complementary

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



37.2124, 0.4309, 0.4563



11.2785, 0.1887, 0.1476

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.



37.2124, 0.2500, 0.2089



37.2124, 0.4309, 0.4563



37.2124, 0.1714, 0.2287

Square

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



37.2124, 0.4309, 0.4563



37.2124, 0.2134, 0.3734



37.2124, 0.1960, 0.2049



37.2124, 0.4148, 0.2825

Rectangle

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



37.2124, 0.4309, 0.4563



37.2124, 0.3058, 0.4736



37.2124, 0.1960, 0.2049



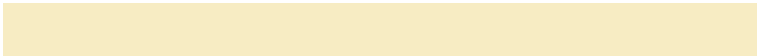
37.2124, 0.3010, 0.2249

Sweetspot

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



37.2142, 0.4309, 0.4563



83.8565, 0.3466, 0.3707



14.6709, 0.4961, 0.2956



18.1624, 0.3514, 0.3764



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.2142, 0.4309, 0.4563



62.4315, 0.4505, 0.4681



44.3226, 0.3713, 0.5063



10.7609, 0.3269, 0.3469



21.6744, 0.4629, 0.4706



0.9378, 0.4506, 0.4805

Inverse Universe

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



11.2785, 0.1887, 0.1476



13.5976, 0.1682, 0.1094



9.1158, 0.2080, 0.1217



9.5508, 0.2984, 0.3105



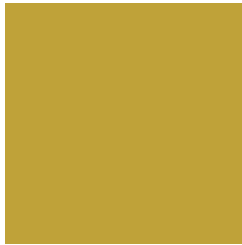
3.6265, 0.1567, 0.0841



0.2404, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 37.2124, 0.4309, 0.4563 looks on a white background.

Color Contrast Check

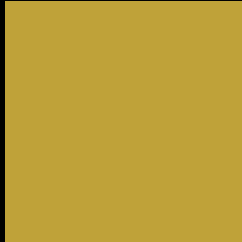
Large Text (above 18pt) WCAG AA × Fail

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 37.2124, 0.4309, 0.4563 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 37.2124, 0.4309, 0.4563

Background



This preview shows how black text looks on a background with the Yxy color 37.2124, 0.4309, 0.4563.



This preview shows how white text looks on a background with the Yxy color 37.2124, 0.4309, 0.4563.

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

37.2124, 0.4309, 0.4563

Protanopia

37.4061, 0.4205, 0.4628

Deuteranopia

37.0718, 0.4494, 0.4402



Tritanopia

37.2429, 0.3499, 0.3148

Trichromacy



Original Color

37.2124, 0.4309, 0.4563

Protanomaly

37.4212, 0.4244, 0.4599

Deuteranomaly

37.0386, 0.4432, 0.4459

Tritanomaly

36.9679, 0.3850, 0.3717

Monochromacy



Original Color

37.2124, 0.4309, 0.4563

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2047, 0.3591, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2124, 0.4309, 0.4563 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(191, 162, 57)` looks like.

```
.text, #text, p{  
    color:rgb(191, 162, 57)  
}
```

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(191, 162, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 162, 57) }
```

Border

The CSS property to change the border of an element to Yxy 37.2124, 0.4309, 0.4563 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(191, 162, 57) }
```

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

```
.border{ border-color:rgb(191, 162, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 162, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 162, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 162, 57);  
box-shadow:4px 4px 4px 4px rgb(191, 162,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2124, 0.4309, 0.4563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 162, 57) }
```

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

```
.background{ background-color: rgb(191,  
162, 57) }
```

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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