

Converting Colors

$Y_{xy}(32.7691, 0.4784, 0.4234)$

Have a look what the booklet for
Yxy(32.7691, 0.4784, 0.4234)
contains.

Yxy(32.7102, 0.4785, 0.4230)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7102, 0.4785, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	D48B34
RGB	212, 139, 52
RGB Percent	83%, 55%, 20%
CMY	0.1687, 0.4549, 0.7959
CMYK	0.00, 0.34, 0.75, 0.17
HSL	33°, 65%, 52%
HSV	33°, 75%, 83%
XYZ	37.0020, 32.7102, 7.6169
YIQ	150.9090, 71.4350, -11.5810

Conversions

Conversions Part 2

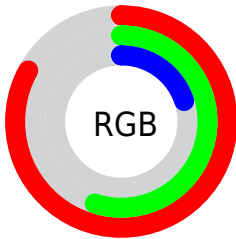
Format	Color
RYB	186, 212, 52
Decimal	13929268
CIELab	63.93, 20.58, 55.39
CIElCh	64, 59.095, 69.617
Yxy	32.7102, 0.4785, 0.4230
Android (android.graphics.Color)	4292119348 (0xFFD48B34)
YUV	150.9090, -48.7621, 53.5768
Hunter-Lab	57.1928, 15.3964, 32.1388

Details

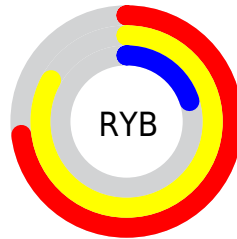
The Yxy color **32.7102, 0.4785, 0.4230** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **20.1559, 0.1949, 0.1904**, and the grayscale version is **31.0989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3994, 0.4342, 0.4175**, and **13.8202, 0.5141, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **29.8832, 0.5015, 0.4247**, and if you desaturate by 10%, it is **35.8741, 0.4534, 0.4165**.

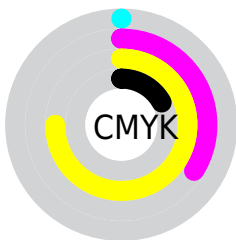
Distribution



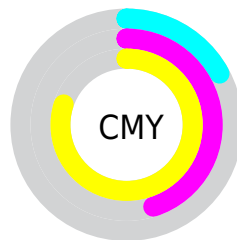
- Red (83%)
- Green (55%)
- Blue (20%)



- Red (73%)
- Yellow (83%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (75%)
- Black (17%)





- Cyan (17%)
- Magenta (45%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7102, 0.4785, 0.4230 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 32.7102, 0.4785, 0.4230 by changing the saturation by 10% instead.

 32.7102, 0.4785,
0.4230


 32.7102, 0.4785,
0.4230


 314.3419, 0.3952,
0.3826


 21.9045, 0.4972,
0.4290


 63.9228, 0.4493,
0.4109


 13.7868, 0.5190,
0.4339


 85.0986, 0.4379,
0.4056


 7.9725, 0.5489,
0.4391


 110.4998, 0.4282,
0.4007

 4.0774, 0.5715,
0.4285

 140.5109, 0.4197,
0.3963

 1.7169, 0.5971,
0.4029

 175.5162, 0.4124,
0.3923

 0.4346, 0.6786,
0.3214

 215.9002, 0.4059,

 0.0000, 0.0000,

0.3888

0.0000

262.0473, 0.4003,
0.3855

■ 32.7102, 0.4785,
0.4230

■ 32.7102, 0.4785,
0.4230

■ 29.8832, 0.5015,
0.4247

■ 35.8741, 0.4534,
0.4165

■ 27.3692, 0.5210,
0.4209

■ 39.3863, 0.4277,
0.4062

■ 26.3175, 0.5291,
0.4181

■ 43.2630, 0.4027,
0.3934

■ 47.5179, 0.3792,
0.3792

■ 52.1635, 0.3577,
0.3646

■ 57.2116, 0.3383,
0.3501

■ 62.6735, 0.3212,
0.3362

■ 68.5600, 0.3061,
0.3232

■ 74.8812, 0.2928,
0.3110

Harmonies

Analogous

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



32.7102, 0.4931, 0.3575



32.7102, 0.4785, 0.4230



32.7102, 0.4187, 0.4807

Triad

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



32.7102, 0.4785, 0.4230



32.7102, 0.1890, 0.3466



32.7102, 0.2669, 0.2057

Complementary

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



32.7102, 0.4785, 0.4230



20.1559, 0.1949, 0.1904

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.



32.7102, 0.2001, 0.1934



32.7102, 0.4785, 0.4230



32.7102, 0.1605, 0.2584

Square

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



32.7102, 0.4785, 0.4230



32.7102, 0.2517, 0.4480



32.7102, 0.1649, 0.2087



32.7102, 0.3591, 0.2416

Rectangle

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



32.7102, 0.4785, 0.4230



32.7102, 0.3648, 0.5007



32.7102, 0.1649, 0.2087



32.7102, 0.2412, 0.1988

Sweetspot

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



32.7119, 0.4785, 0.4230



80.8807, 0.3532, 0.3614



17.9789, 0.4476, 0.2500



16.7348, 0.3606, 0.3667



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.7119, 0.4785, 0.4230



42.8562, 0.5147, 0.4229



60.5448, 0.4060, 0.4936



13.5285, 0.3278, 0.3417



16.4519, 0.5272, 0.4196



1.1569, 0.5035, 0.4384

Inverse Universe

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



20.1559, 0.1949, 0.1904



23.0560, 0.1785, 0.1569



8.0934, 0.1724, 0.0941



12.9328, 0.2982, 0.3160



8.3765, 0.1735, 0.1445



0.6695, 0.1827, 0.1776

Previews

White Background



This preview shows how the Yxy color 32.7102, 0.4785, 0.4230 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 32.7102, 0.4785, 0.4230 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 32.7102, 0.4785, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 32.7102, 0.4785, 0.4230.



This preview shows how white text looks on a background with the Yxy color 32.7102, 0.4785, 0.4230.

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

32.7102, 0.4785, 0.4230

Protanopia

32.9566, 0.4178, 0.4611

Deuteranopia

32.5585, 0.4538, 0.4446



Tritanopia

32.6104, 0.4018, 0.3170

Trichromacy



Original Color

32.7102, 0.4785, 0.4230

Protanomaly

32.6533, 0.4398, 0.4475

Deuteranomaly

32.5943, 0.4636, 0.4363

Tritanomaly

32.3048, 0.4357, 0.3598

Monochromacy



Original Color

32.7102, 0.4785, 0.4230

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.9895, 0.3736, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7102, 0.4785, 0.4230 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(212, 139, 52)` looks like.

```
.text, #text, p{  
    color:rgb(212, 139, 52)  
}
```

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(212, 139, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 139, 52) }
```

Border

The CSS property to change the border of an element to Yxy 32.7102, 0.4785, 0.4230 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(212, 139, 52) }
```

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

```
.border{ border-color:rgb(212, 139, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 139, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 139, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 139, 52);  
box-shadow:4px 4px 4px 4px rgb(212, 139,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7102, 0.4785, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 139, 52) }
```

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

```
.background{ background-color: rgb(212,  
139, 52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor