

Converting Colors

$Y_{xy}(32.7392, 0.4857, 0.4292)$

Have a look what the booklet for
Yxy(32.7392, 0.4857, 0.4292)
contains.

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Color

Yxy(32.7715, 0.4858, 0.4294)

Conversions

Conversions Part 1

Format	Color
Hex	D58B29
RGB	213, 139, 41
RGB Percent	84%, 55%, 16%
CMY	0.1647, 0.4549, 0.8391
CMYK	0.00, 0.35, 0.81, 0.16
HSL	34°, 68%, 50%
HSV	34°, 81%, 84%
XYZ	37.0759, 32.7715, 6.4719
YIQ	149.9540, 75.5620, -14.7900

Conversions

Conversions Part 2

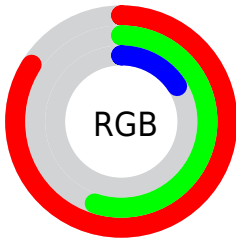
Format	Color
R _Y B	171, 213, 41
Decimal	13994793
CIE Lab	63.98, 20.61, 59.84
CIE LCh	64, 63.286, 70.994
Yxy	32.7715, 0.4858, 0.4294
Android (android.graphics.Color)	4292184873 (0xFFD58B29)
YUV	149.9540, -53.7143, 55.2913
Hunter-Lab	57.2464, 15.4252, 33.3696

Details

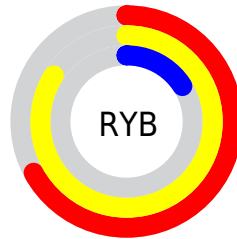
The Yxy color **32.7715, 0.4858, 0.4294** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **17.5474, 0.1870, 0.1721**, and the grayscale version is **30.6894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2262, 0.4400, 0.4248**, and **13.9171, 0.5152, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **30.1181, 0.5058, 0.4288**, and if you desaturate by 10%, it is **35.7312, 0.4629, 0.4248**.

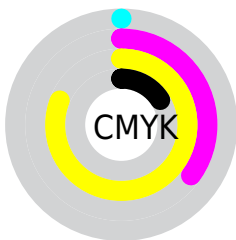
Distribution



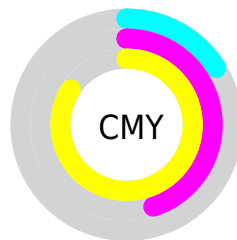
- Red (84%)
- Green (55%)
- Blue (16%)



- Red (67%)
- Yellow (84%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (45%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7715, 0.4858, 0.4294 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 32.7715, 0.4858, 0.4294 by changing the saturation by 10% instead.

 32.7715, 0.4858,
0.4294


 32.7715, 0.4858,
0.4294


 314.6188, 0.4001,
0.3873

 21.9515, 0.5042,
0.4351


 64.0186, 0.4563,
0.4173

 13.8212, 0.5252,
0.4390


 85.2145, 0.4446,
0.4117


 7.9964, 0.5556,
0.4444

 110.6378, 0.4345,
0.4066

 4.0927, 0.5715,
0.4285

 140.6728, 0.4257,
0.4019

 1.7255, 0.5971,
0.4029

 175.7040, 0.4181,
0.3977

 0.4401, 0.6774,
0.3226

 216.1159, 0.4114,

 0.0000, 0.0000,

0.3939

0.0000

262.2927, 0.4054,
0.3905

■ 32.7715, 0.4858,
0.4294

■ 32.7715, 0.4858,
0.4294

■ 30.1181, 0.5058,
0.4288

■ 35.7312, 0.4629,
0.4248

■ 27.9057, 0.5216,
0.4241

■ 39.0089, 0.4385,
0.4158

■ 42.6208, 0.4140,
0.4036

■ 46.5802, 0.3903,
0.3894

■ 50.8993, 0.3682,
0.3743

■ 55.5896, 0.3480,
0.3591

■ 60.6619, 0.3299,
0.3442

■ 66.1265, 0.3138,
0.3300

■ 71.9932, 0.2996,
0.3167

Harmonies

Analogous

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



32.7715, 0.5056, 0.3604



32.7715, 0.4858, 0.4294



32.7715, 0.4198, 0.4915

Triad

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



32.7715, 0.4858, 0.4294



32.7715, 0.1791, 0.3420



32.7715, 0.2677, 0.2002

Complementary

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



32.7715, 0.4858, 0.4294



17.5474, 0.1870, 0.1721

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.



32.7715, 0.1960, 0.1860



32.7715, 0.4858, 0.4294



32.7715, 0.1517, 0.2496

Square

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



32.7715, 0.4858, 0.4294



32.7715, 0.2431, 0.4532



32.7715, 0.1580, 0.2000



32.7715, 0.3667, 0.2387

Rectangle

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



32.7715, 0.4858, 0.4294



32.7715, 0.3621, 0.5132



32.7715, 0.1580, 0.2000



32.7715, 0.2400, 0.1926

Sweetspot

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



32.7732, 0.4858, 0.4294



80.9985, 0.3549, 0.3644



16.9862, 0.4726, 0.2560



16.7953, 0.3622, 0.3699



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.



32.7732, 0.4858, 0.4294



42.6313, 0.5180, 0.4250



60.2463, 0.4041, 0.5027



13.5833, 0.3277, 0.3423



17.2509, 0.5197, 0.4256



1.2035, 0.4977, 0.4430

Inverse Universe

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



17.5474, 0.1870, 0.1721



19.3253, 0.1720, 0.1375



7.1360, 0.1677, 0.0840



12.8788, 0.2982, 0.3154



7.7687, 0.1712, 0.1364



0.6312, 0.1806, 0.1703

Previews

White Background



This preview shows how the Yxy color 32.7715, 0.4858, 0.4294 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 32.7715, 0.4858, 0.4294 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 32.7715, 0.4858, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 32.7715, 0.4858, 0.4294.



This preview shows how white text looks on a background with the Yxy color 32.7715, 0.4858, 0.4294.

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

32.7715, 0.4858, 0.4294

Protanopia

32.9651, 0.4256, 0.4705

Deuteranopia

32.7368, 0.4621, 0.4511



Tritanopia

32.7348, 0.4041, 0.3183

Trichromacy



Original Color

32.7715, 0.4858, 0.4294

Protanomaly

32.6859, 0.4472, 0.4553

Deuteranomaly

32.6430, 0.4710, 0.4433

Tritanomaly

32.3533, 0.4423, 0.3655

Monochromacy



Original Color

32.7715, 0.4858, 0.4294

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.5678, 0.3793, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7715, 0.4858, 0.4294 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(213, 139, 41)` looks like.

```
.text, #text, p{  
    color:rgb(213, 139, 41)  
}
```

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(213, 139, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 139, 41) }
```

Border

The CSS property to change the border of an element to Yxy 32.7715, 0.4858, 0.4294 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(213, 139, 41) }
```

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

```
.border{ border-color:rgb(213, 139, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 139, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 139, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 139, 41);  
box-shadow:4px 4px 4px 4px rgb(213, 139,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7715, 0.4858, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 139, 41) }
```

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

```
.background{ background-color: rgb(213,  
139, 41) }
```

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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