

Converting Colors

$Yxy(33.6497, 0.4744, 0.4347)$

Have a look what the booklet for
Yxy(33.6497, 0.4744, 0.4347)
contains.

Yxy(33.6913, 0.4742, 0.4348)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6913, 0.4742, 0.4348)

Conversions

Conversions Part 1

Format	Color
Hex	D1902D
RGB	209, 144, 45
RGB Percent	82%, 56%, 18%
CMY	0.1803, 0.4353, 0.8234
CMYK	0.00, 0.31, 0.78, 0.18
HSL	36°, 65%, 50%
HSV	36°, 78%, 82%
XYZ	36.7443, 33.6913, 7.0513
YIQ	152.1490, 70.5190, -17.0090

Conversions

Conversions Part 2

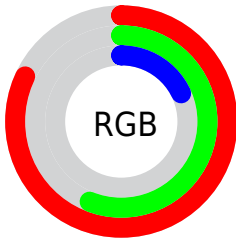
Format	Color
RYB	153, 209, 45
Decimal	13733933
CIELab	64.72, 16.32, 58.85
CIELCh	65, 61.073, 74.499
Yxy	33.6913, 0.4742, 0.4348
Android (android.graphics.Color)	4291924013 (0xFFD1902D)
YUV	152.1490, -52.8245, 49.8583
Hunter-Lab	58.0442, 11.4202, 33.4283

Details

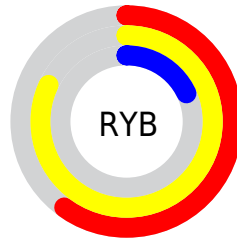
The Yxy color **33.6913, 0.4742, 0.4348** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **16.3224, 0.1873, 0.1682**, and the grayscale version is **31.6792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5300, 0.4346, 0.4270**, and **14.3950, 0.5013, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **31.1511, 0.4933, 0.4363**, and if you desaturate by 10%, it is **36.4988, 0.4525, 0.4283**.

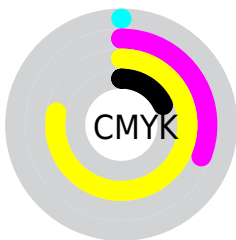
Distribution



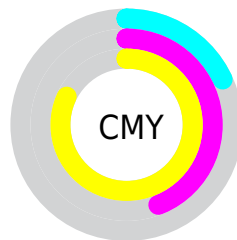
- Red (82%)
- Green (56%)
- Blue (18%)



- Red (60%)
- Yellow (82%)
- Blue (18%)



- Cyan (0%)
- Magenta (31%)
- Yellow (78%)
- Black (18%)




- Cyan (18%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6913, 0.4742, 0.4348 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 33.6913, 0.4742, 0.4348 by changing the saturation by 10% instead.


 33.6913, 0.4742,
0.4348


 33.6913, 0.4742,
0.4348


318.7534, 0.3946,
0.3887


 22.6565, 0.4913,
0.4420


 65.4533, 0.4468,
0.4208


 14.3401, 0.5108,
0.4482


 86.9494, 0.4359,
0.4146


 8.3576, 0.5391,
0.4570


 112.7014, 0.4266,
0.4091

 4.3246, 0.5538,
0.4462

 143.0936, 0.4184,
0.4041

 1.8568, 0.5739,
0.4261

 178.5105, 0.4113,
0.3996

 0.5222, 0.6318,
0.3682

 219.3365, 0.4051,

 0.0000, 0.0000,

0.3956

0.0000

265.9560, 0.3995,
0.3920

■ 33.6913, 0.4742,
0.4348

■ 33.6913, 0.4742,
0.4348

■ 31.1511, 0.4933,
0.4363

■ 36.4988, 0.4525,
0.4283

■ 28.8533, 0.5093,
0.4327

■ 39.5827, 0.4294,
0.4178

■ 28.5169, 0.5116,
0.4320

■ 42.9571, 0.4062,
0.4043

■ 46.6335, 0.3837,
0.3891

■ 50.6223, 0.3627,
0.3732

■ 54.9333, 0.3434,
0.3571

■ 59.5758, 0.3260,
0.3416

■ 64.5584, 0.3104,
0.3268

■ 69.8897, 0.2966,
0.3129

Harmonies

Analogous

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



33.6913, 0.4986, 0.3683



33.6913, 0.4742, 0.4348



33.6913, 0.4076, 0.4907

Triad

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



33.6913, 0.4742, 0.4348



33.6913, 0.1793, 0.3298



33.6913, 0.2798, 0.2079

Complementary

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



33.6913, 0.4742, 0.4348



16.3224, 0.1873, 0.1682

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.



33.6913, 0.2067, 0.1912



33.6913, 0.4742, 0.4348



33.6913, 0.1563, 0.2457

Square

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



33.6913, 0.4742, 0.4348



33.6913, 0.2376, 0.4359



33.6913, 0.1659, 0.2016



33.6913, 0.3762, 0.2477

Rectangle

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



33.6913, 0.4742, 0.4348



33.6913, 0.3511, 0.5057



33.6913, 0.1659, 0.2016



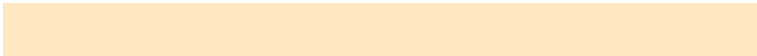
33.6913, 0.2520, 0.1995

Sweetspot

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



33.6930, 0.4742, 0.4348



82.1510, 0.3544, 0.3664



16.5750, 0.4760, 0.2622



17.0726, 0.3615, 0.3722



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.



33.6930, 0.4742, 0.4348



46.4270, 0.5041, 0.4343



57.0828, 0.3984, 0.5035



12.9782, 0.3276, 0.3430



17.7778, 0.5099, 0.4333



1.1466, 0.4890, 0.4499

Inverse Universe

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



16.3224, 0.1873, 0.1682



18.5470, 0.1713, 0.1331



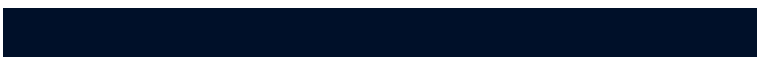
7.4884, 0.1737, 0.0903



12.1757, 0.2982, 0.3146



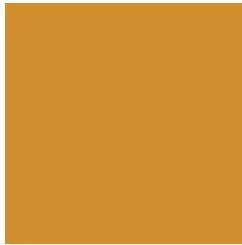
6.8197, 0.1685, 0.1264



0.5345, 0.1787, 0.1634

Previews

White Background



This preview shows how the Yxy color 33.6913, 0.4742, 0.4348 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 33.6913, 0.4742, 0.4348 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 33.6913, 0.4742, 0.4348

Background



This preview shows how black text looks on a background with the Yxy color 33.6913, 0.4742, 0.4348.



This preview shows how white text looks on a background with the Yxy color 33.6913, 0.4742, 0.4348.

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

33.6913, 0.4742, 0.4348

Protanopia

33.9056, 0.4237, 0.4682

Deuteranopia

33.6751, 0.4589, 0.4483



Tritanopia

33.8194, 0.3916, 0.3169

Trichromacy



Original Color

33.6913, 0.4742, 0.4348

Protanomaly

33.6872, 0.4418, 0.4557

Deuteranomaly

33.6058, 0.4646, 0.4430

Tritanomaly

33.4272, 0.4291, 0.3651

Monochromacy



Original Color

33.6913, 0.4742, 0.4348

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.5714, 0.3748, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6913, 0.4742, 0.4348 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(209, 144, 45)` looks like.

```
.text, #text, p{  
    color:rgb(209, 144, 45)  
}
```

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(209, 144, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 144, 45) }
```

Border

The CSS property to change the border of an element to Yxy 33.6913, 0.4742, 0.4348 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(209, 144, 45) }
```

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

```
.border{ border-color:rgb(209, 144, 45) }
```

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

Here you see how a box with a 4 pixel rgb(209, 144, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 144, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 144, 45);  
box-shadow:4px 4px 4px 4px rgb(209, 144,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6913, 0.4742, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 144, 45) }
```

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

```
.background{ background-color: rgb(209,  
144, 45) }
```

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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