

Converting Colors

$Y_{xy}(33.9662, 0.4643, 0.4273)$

Have a look what the booklet for
Yxy(33.9662, 0.4643, 0.4273)
contains.

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Color

Yxy(33.9662, 0.4643, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	D0913A
RGB	208, 145, 58
RGB Percent	82%, 57%, 23%
CMY	0.1842, 0.4314, 0.7725
CMYK	0.00, 0.30, 0.72, 0.18
HSL	35°, 61%, 52%
HSV	35°, 72%, 82%
XYZ	36.9073, 33.9662, 8.6167
YIQ	153.9190, 65.4750, -13.7010

Conversions

Conversions Part 2

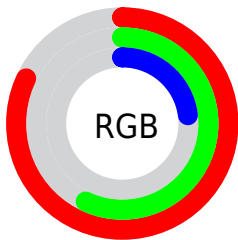
Format	Color
RYB	167, 208, 58
Decimal	13668666
CIELab	64.94, 15.92, 53.68
CIELCh	65, 55.988, 73.484
Yxy	33.9662, 0.4643, 0.4273
Android (android.graphics.Color)	4291858746 (0xFFD0913A)
YUV	153.9190, -47.2881, 47.4290
Hunter-Lab	58.2805, 11.0479, 32.0304

Details

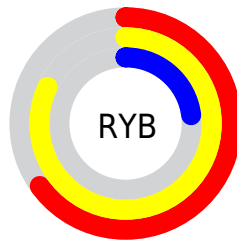
The Yxy color **33.9662, 0.4643, 0.4273** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **19.1440, 0.1969, 0.1887**, and the grayscale version is **32.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2326, 0.4262, 0.4180**, and **14.5740, 0.4995, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **31.2277, 0.4864, 0.4315**, and if you desaturate by 10%, it is **36.9991, 0.4405, 0.4186**.

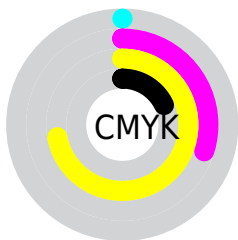
Distribution



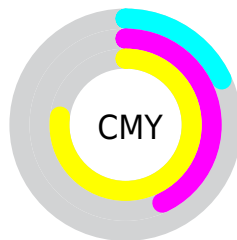
- Red (82%)
- Green (57%)
- Blue (23%)



- Red (65%)
- Yellow (82%)
- Blue (23%)



- Cyan (0%)
- Magenta (30%)
- Yellow (72%)
- Black (18%)




- Cyan (18%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9662, 0.4643, 0.4273 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 33.9662, 0.4643, 0.4273 by changing the saturation by 10% instead.


 33.9662, 0.4643,
0.4273


 33.9662, 0.4643,
0.4273


319.9813, 0.3884,
0.3833


 22.8676, 0.4814,
0.4349


 65.8811, 0.4377,
0.4134


 14.4958, 0.5015,
0.4422


 87.4662, 0.4273,
0.4075


 8.4663, 0.5266,
0.4491


 113.3157, 0.4184,
0.4022

 4.3947, 0.5519,
0.4481

 143.8138, 0.4107,
0.3976

 1.8967, 0.5714,
0.4286

 179.3451, 0.4041,
0.3934

 0.5464, 0.6247,
0.3753

 220.2938, 0.3982,

 0.0000, 0.0000,

0.3896

0.0000

267.0444, 0.3930,
0.3863

■ 33.9662, 0.4643,
0.4273

■ 33.9662, 0.4643,
0.4273

■ 31.2277, 0.4864,
0.4315

■ 36.9991, 0.4405,
0.4186

■ 28.7630, 0.5055,
0.4305

■ 40.3351, 0.4163,
0.4066

■ 26.9938, 0.5184,
0.4265

■ 43.9881, 0.3928,
0.3924

■ 47.9694, 0.3708,
0.3771

■ 52.2898, 0.3505,
0.3616

■ 56.9591, 0.3322,
0.3465

■ 61.9868, 0.3159,
0.3320

■ 67.3819, 0.3015,
0.3183

■ 73.1531, 0.2888,
0.3057

Harmonies

Analogous

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



33.9662, 0.4835, 0.3655



33.9662, 0.4643, 0.4273



33.9662, 0.4047, 0.4774

Triad

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



33.9662, 0.4643, 0.4273



33.9662, 0.1907, 0.3339



33.9662, 0.2802, 0.2153

Complementary

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



33.9662, 0.4643, 0.4273



19.1440, 0.1969, 0.1887

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.



33.9662, 0.2128, 0.2005



33.9662, 0.4643, 0.4273



33.9662, 0.1673, 0.2552

Square

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



33.9662, 0.4643, 0.4273



33.9662, 0.2468, 0.4286



33.9662, 0.1752, 0.2120



33.9662, 0.3682, 0.2522

Rectangle

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



33.9662, 0.4643, 0.4273



33.9662, 0.3527, 0.4901



33.9662, 0.1752, 0.2120



33.9662, 0.2546, 0.2077

Sweetspot

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



33.9679, 0.4643, 0.4273



82.7696, 0.3508, 0.3619



17.8727, 0.4474, 0.2570



17.3028, 0.3562, 0.3661



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.



33.9679, 0.4643, 0.4273



47.1325, 0.4981, 0.4316



57.4388, 0.3995, 0.4922



12.9304, 0.3276, 0.3425



17.0145, 0.5167, 0.4280



1.1065, 0.4941, 0.4459

Inverse Universe

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



19.1440, 0.1969, 0.1887



22.5633, 0.1790, 0.1542



8.8136, 0.1805, 0.1041



12.2224, 0.2982, 0.3152



7.3095, 0.1704, 0.1335



0.5641, 0.1805, 0.1699

Previews

White Background



This preview shows how the Yxy color 33.9662, 0.4643, 0.4273 looks on a white background.

Color Contrast Check

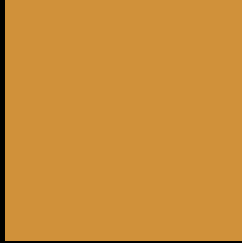
Large Text (above 18pt) WCAG AA × Fail

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 33.9662, 0.4643, 0.4273 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 33.9662, 0.4643, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 33.9662, 0.4643, 0.4273.



This preview shows how white text looks on a background with the Yxy color 33.9662, 0.4643, 0.4273.

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

33.9662, 0.4643, 0.4273

Protanopia

34.0316, 0.4160, 0.4566

Deuteranopia

33.9685, 0.4494, 0.4407



Tritanopia

33.9798, 0.3890, 0.3168

Trichromacy



Original Color

33.9662, 0.4643, 0.4273

Protanomaly

33.8108, 0.4339, 0.4450

Deuteranomaly

33.8927, 0.4549, 0.4353

Tritanomaly

33.6772, 0.4219, 0.3604

Monochromacy



Original Color

33.9662, 0.4643, 0.4273

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4638, 0.3688, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9662, 0.4643, 0.4273 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(208, 145, 58)` looks like.

```
.text, #text, p{  
    color:rgb(208, 145, 58)  
}
```

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(208, 145, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 145, 58) }
```

Border

The CSS property to change the border of an element to Yxy 33.9662, 0.4643, 0.4273 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(208, 145, 58) }
```

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

```
.border{ border-color:rgb(208, 145, 58) }
```

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

Here you see how a box with a 4 pixel rgb(208, 145, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 145, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 145, 58);  
box-shadow:4px 4px 4px 4px rgb(208, 145,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9662, 0.4643, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 145, 58) }
```

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

```
.background{ background-color: rgb(208,  
145, 58) }
```

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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