

Converting Colors

$Yxy(29.3028, 0.5141, 0.4663)$

Have a look what the booklet for
Yxy(29.3028, 0.5141, 0.4663)
contains.

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Color

Yxy(29.6068, 0.4947, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	CA8600
RGB	202, 134, 0
RGB Percent	79%, 53%, 0%
CMY	0.2078, 0.4745, 0.9999
CMYK	0.00, 0.34, 1.00, 0.21
HSL	40°, 100%, 40%
HSV	40°, 100%, 79%
XYZ	32.8839, 29.6068, 3.9817
YIQ	139.0560, 83.5420, -27.2580

Conversions

Conversions Part 2

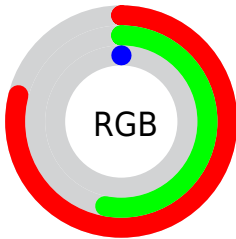
Format	Color
RYB	103, 202, 0
Decimal	13272576
CIELab	61.31, 17.76, 66.91
CIELCh	61, 69.232, 75.135
Yxy	29.6068, 0.4947, 0.4454
Android (android.graphics.Color)	4291462656 (0xFFCA8600)
YUV	139.0560, -68.5546, 55.2019
Hunter-Lab	54.4121, 12.6550, 33.7498

Details

The Yxy color **29.6068, 0.4947, 0.4454** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **8.4016, 0.1633, 0.1078**, and the grayscale version is **26.0884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2556, 0.4583, 0.4362**, and **12.0914, 0.5117, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **29.6068, 0.4947, 0.4454**, and if you desaturate by 10%, it is **31.6006, 0.4816, 0.4478**.

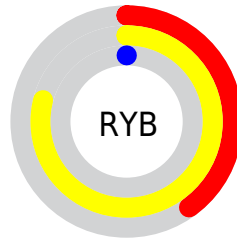
Distribution



Red (79%)

Green (53%)

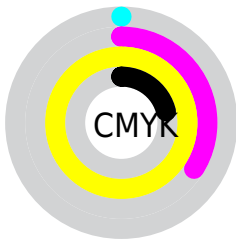
Blue (0%)



Red (40%)

Yellow (79%)

Blue (0%)

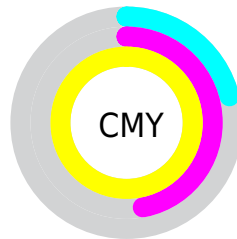


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6068, 0.4947, 0.4454 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 29.6068, 0.4947, 0.4454 by changing the saturation by 10% instead.


 29.6068, 0.4947,
0.4454


 29.6068, 0.4947,
0.4454


300.0673, 0.4064,
0.3975

 19.5403, 0.5120,
0.4507

 59.0398, 0.4654,
0.4323

 12.0614, 0.5331,
0.4555


 79.1751, 0.4534,
0.4260

 6.7855, 0.5498,
0.4502


 103.4355, 0.4429,
0.4201

 3.3283, 0.5655,
0.4345

 132.2054, 0.4337,
0.4147

 1.3054, 0.5916,
0.4084

 165.8691, 0.4256,
0.4097

 0.1454, 0.7973,
0.2027

 204.8110, 0.4184,

 0.0000, 0.0000,

0.4053

0.0000

249.4157, 0.4121,
0.4012

29.6068, 0.4947,
0.4454

31.6006, 0.4816,
0.4478

33.7694, 0.4657,
0.4458

36.1356, 0.4471,
0.4388

38.7108, 0.4267,
0.4277

41.5055, 0.4055,
0.4134

■ 44.5289, 0.3845,
0.3971

■ 47.7894, 0.3644,
0.3799

■ 51.2949, 0.3456,
0.3624

■ 55.0528, 0.3283,
0.3453

Harmonies

Analogous

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



29.6068, 0.5292, 0.3694



29.6068, 0.4947, 0.4454



29.6068, 0.4147, 0.5157

Triad

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



29.6068, 0.4947, 0.4454



29.6068, 0.1577, 0.3247



29.6068, 0.2753, 0.1918

Complementary

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



29.6068, 0.4947, 0.4454



8.4016, 0.1633, 0.1078

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.



29.6068, 0.1921, 0.1725



29.6068, 0.4947, 0.4454



29.6068, 0.1349, 0.2284

Square

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



29.6068, 0.4947, 0.4454



29.6068, 0.2211, 0.4557



29.6068, 0.1467, 0.1820



29.6068, 0.3890, 0.2364

Rectangle

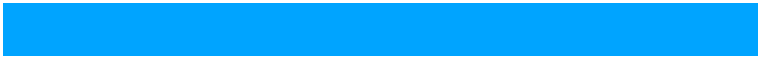
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6068, 0.4947, 0.4454



29.6068, 0.3495, 0.5388



29.6068, 0.1467, 0.1820



29.6068, 0.2433, 0.1824

Sweetspot

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



29.6083, 0.4947, 0.4454



80.6684, 0.3652, 0.3806



13.0092, 0.5592, 0.2854



16.7523, 0.3737, 0.3880



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.



29.6083, 0.4947, 0.4454



49.6909, 0.4960, 0.4444



50.9823, 0.3929, 0.5262



12.4356, 0.3274, 0.3443



19.2202, 0.4934, 0.4464



1.1281, 0.4754, 0.4607

Inverse Universe

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



8.4016, 0.1633, 0.1078



13.8520, 0.1626, 0.1054



4.5458, 0.1558, 0.0632



11.4510, 0.2983, 0.3132



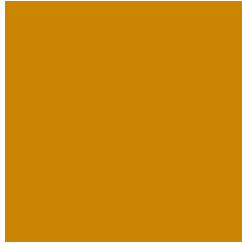
5.5534, 0.1639, 0.1102



0.4263, 0.1751, 0.1504

Previews

White Background



This preview shows how the Yxy color 29.6068, 0.4947, 0.4454 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6068, 0.4947, 0.4454 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6068, 0.4947, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 29.6068, 0.4947, 0.4454.



This preview shows how white text looks on a background with the Yxy color 29.6068, 0.4947, 0.4454.

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

29.6068, 0.4947, 0.4454

Protanopia

29.8514, 0.4380, 0.4847

Deuteranopia

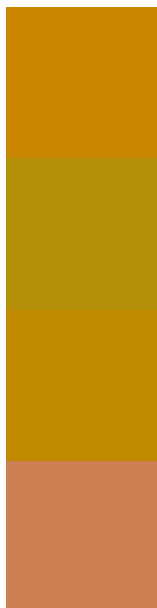
29.7411, 0.4718, 0.4636



Tritanopia

29.7984, 0.4015, 0.3178

Trichromacy



Original Color

29.6068, 0.4947, 0.4454

Protanomaly

29.6695, 0.4580, 0.4711

Deuteranomaly

29.5144, 0.4807, 0.4565

Tritanomaly

29.2160, 0.4555, 0.3823

Monochromacy



Original Color

29.6068, 0.4947, 0.4454

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.2773, 0.3949, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6068, 0.4947, 0.4454 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(202, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 134, 0)  
}
```

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(202, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 134, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6068, 0.4947, 0.4454 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(202, 134, 0) }
```

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

```
.border{ border-color:rgb(202, 134, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 134, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 134,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6068, 0.4947, 0.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 134, 0) }
```

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

```
.background{ background-color: rgb(202,  
134, 0) }
```

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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