

Converting Colors

$Y_{xy}(29.0257, 0.4435, 0.4492)$

Have a look what the booklet for
Yxy(29.0257, 0.4435, 0.4492)
contains.

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Color

Yxy(29.0244, 0.4430, 0.4501)

Conversions

Conversions Part 1

Format	Color
Hex	B28E30
RGB	178, 142, 48
RGB Percent	70%, 56%, 19%
CMY	0.3020, 0.4431, 0.8117
CMYK	0.00, 0.20, 0.73, 0.30
HSL	43°, 58%, 44%
HSV	43°, 73%, 70%
XYZ	28.5666, 29.0244, 6.8934
YIQ	142.0480, 51.6300, -21.6020

Conversions

Conversions Part 2

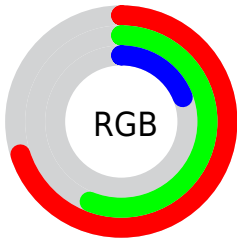
Format	Color
R_{YB}	98, 178, 48
Decimal	11701808
CIE Lab	60.80, 3.87, 52.71
CIE LCh	61, 52.850, 85.797
Yxy	29.0244, 0.4430, 0.4501
Android (android.graphics.Color)	4289891888 (0xFFB28E30)
YUV	142.0480, -46.3657, 31.5299
Hunter-Lab	53.8743, 0.3687, 30.1257

Details

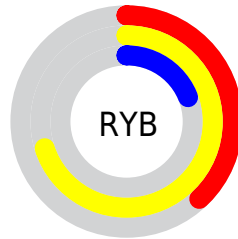
The Yxy color **29.0244, 0.4430, 0.4501** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **10.1836, 0.1882, 0.1542**, and the grayscale version is **27.2430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9548, 0.4205, 0.4295**, and **11.7192, 0.4671, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **27.4727, 0.4583, 0.4570**, and if you desaturate by 10%, it is **30.7027, 0.4255, 0.4390**.

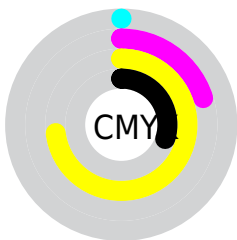
Distribution



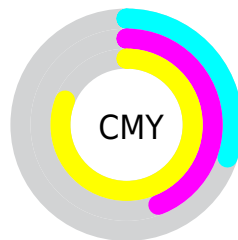
- Red (70%)
- Green (56%)
- Blue (19%)



- Red (38%)
- Yellow (70%)
- Blue (19%)



- Cyan (0%)
- Magenta (20%)
- Yellow (73%)
- Black (30%)





- Cyan (30%)
- Magenta (44%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0244, 0.4430, 0.4501 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 29.0244, 0.4430, 0.4501 by changing the saturation by 10% instead.

 29.0244, 0.4430,
0.4501


 29.0244, 0.4430,
0.4501

297.3301, 0.3774,
0.3908


 19.0993, 0.4574,
0.4623


 58.1159, 0.4201,
0.4299


 11.7420, 0.4736,
0.4754


 78.0510, 0.4111,
0.4218


 6.5683, 0.5005,
0.4974


 102.0915, 0.4034,
0.4148

 3.1936, 0.5054,
0.4946

 130.6220, 0.3968,
0.4087

 1.2336, 0.5120,
0.4880

 164.0266, 0.3910,
0.4034

 0.0889, 0.6682,
0.3318

 202.6900, 0.3859,

 0.0000, 0.0000,

0.3987

0.0000

246.9963, 0.3814,
0.3945

■ 29.0244, 0.4430,
0.4501

■ 29.0244, 0.4430,
0.4501

■ 27.4727, 0.4583,
0.4570

■ 30.7027, 0.4255,
0.4390

■ 26.0350, 0.4708,
0.4591

■ 32.5106, 0.4067,
0.4244

■ 25.0897, 0.4782,
0.4585

■ 34.4557, 0.3874,
0.4075

■ 36.5437, 0.3683,
0.3893

■ 38.7799, 0.3501,
0.3706

■ 41.1692, 0.3330,
0.3521

■ 43.7161, 0.3172,
0.3342

■ 46.4249, 0.3029,
0.3173

■ 49.3000, 0.2899,
0.3015

Harmonies

Analogous

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



29.0244, 0.4810, 0.3910



29.0244, 0.4430, 0.4501



29.0244, 0.3732, 0.4873

Triad

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



29.0244, 0.4430, 0.4501



29.0244, 0.1777, 0.2979



29.0244, 0.3150, 0.2285

Complementary

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



29.0244, 0.4430, 0.4501



10.1836, 0.1882, 0.1542

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.



29.0244, 0.2374, 0.2042



29.0244, 0.4430, 0.4501



29.0244, 0.1675, 0.2337

Square

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



29.0244, 0.4430, 0.4501



29.0244, 0.2206, 0.3905



29.0244, 0.1875, 0.2044



29.0244, 0.4037, 0.2726

Rectangle

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



29.0244, 0.4430, 0.4501



29.0244, 0.3190, 0.4832



29.0244, 0.1875, 0.2044



29.0244, 0.2866, 0.2179

Sweetspot

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



29.0258, 0.4430, 0.4501



70.5987, 0.3489, 0.3694



12.2326, 0.4885, 0.2839



15.3941, 0.3537, 0.3744



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



29.0258, 0.4430, 0.4501



48.1052, 0.4668, 0.4589



38.5221, 0.3805, 0.5054



9.5009, 0.3270, 0.3454



18.0618, 0.4774, 0.4591



0.6601, 0.4579, 0.4746

Inverse Universe

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



10.1836, 0.1882, 0.1542



12.4749, 0.1681, 0.1149



6.8723, 0.1957, 0.1113



8.6005, 0.2985, 0.3121



3.9818, 0.1602, 0.0968



0.2256, 0.1762, 0.1544

Previews

White Background



This preview shows how the Yxy color 29.0244, 0.4430, 0.4501 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 29.0244, 0.4430, 0.4501 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 29.0244, 0.4430, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 29.0244, 0.4430, 0.4501.



This preview shows how white text looks on a background with the Yxy color 29.0244, 0.4430, 0.4501.

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

29.0244, 0.4430, 0.4501

Protanopia

28.9817, 0.4215, 0.4645

Deuteranopia

29.1683, 0.4511, 0.4430



Tritanopia

29.0725, 0.3615, 0.3151

Trichromacy



Original Color

29.0244, 0.4430, 0.4501

Protanomaly

28.9076, 0.4292, 0.4588

Deuteranomaly

29.2166, 0.4478, 0.4455

Tritanomaly

28.6361, 0.3973, 0.3694

Monochromacy



Original Color

29.0244, 0.4430, 0.4501

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.3973, 0.3627, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0244, 0.4430, 0.4501 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(178, 142, 48)` looks like.

```
.text, #text, p{  
    color:rgb(178, 142, 48)  
}
```

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(178, 142, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 142, 48) }
```

Border

The CSS property to change the border of an element to Yxy 29.0244, 0.4430, 0.4501 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(178, 142, 48) }
```

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

```
.border{ border-color:rgb(178, 142, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 142, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 142, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 142, 48);  
box-shadow:4px 4px 4px 4px rgb(178, 142,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0244, 0.4430, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 142, 48) }
```

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

```
.background{ background-color: rgb(178,  
142, 48) }
```

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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