

Converting Colors

$Y_{xy}(29.2267, 0.4596, 0.4258)$

Have a look what the booklet for
Yxy(29.2267, 0.4596, 0.4258)
contains.

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Color

Yxy(29.2412, 0.4595, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	C18839
RGB	193, 136, 57
RGB Percent	76%, 53%, 22%
CMY	0.2432, 0.4666, 0.7765
CMYK	0.00, 0.30, 0.70, 0.24
HSL	35°, 54%, 49%
HSV	35°, 70%, 76%
XYZ	31.5333, 29.2412, 7.8507
YIQ	144.0370, 59.3310, -12.4850

Conversions

Conversions Part 2

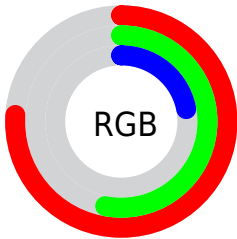
Format	Color
R_{YB}	155, 193, 57
Decimal	12683321
CIE _{Lab}	60.99, 14.27, 49.51
CIE _{LCh}	61, 51.520, 73.925
Yxy	29.2412, 0.4595, 0.4261
Android (android.graphics.Color)	4290873401 (0xFFC18839)
YUV	144.0370, -42.9092, 42.9406
Hunter-Lab	54.0751, 9.4587, 29.2448

Details

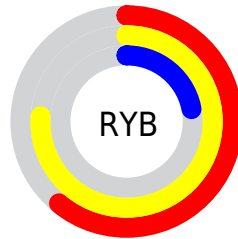
The Yxy color **29.2412, 0.4595, 0.4261** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.7466, 0.1995, 0.1928**, and the grayscale version is **28.0641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3605, 0.4325, 0.4110**, and **11.8065, 0.4988, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **26.8928, 0.4819, 0.4313**, and if you desaturate by 10%, it is **31.8376, 0.4357, 0.4167**.

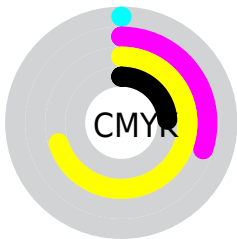
Distribution



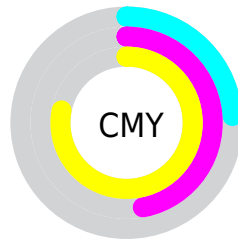
- Red (76%)
- Green (53%)
- Blue (22%)



- Red (61%)
- Yellow (76%)
- Blue (22%)



- Cyan (0%)
- Magenta (30%)
- Yellow (70%)
- Black (24%)




- Cyan (24%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2412, 0.4595, 0.4261 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 29.2412, 0.4595, 0.4261 by changing the saturation by 10% instead.

 29.2412, 0.4595,
0.4261


 29.2412, 0.4595,
0.4261


298.3513, 0.3838,
0.3808

 19.2634, 0.4772,
0.4345

 58.4601, 0.4324,
0.4114

 11.8607, 0.4984,
0.4427


 78.4699, 0.4220,
0.4052


 6.6489, 0.5282,
0.4531


 102.5925, 0.4132,
0.3998

 3.2435, 0.5514,
0.4486

 131.2124, 0.4056,
0.3950

 1.2602, 0.5735,
0.4265

 164.7137, 0.3990,
0.3908

 0.1100, 0.8045,
0.1955

 203.4811, 0.3933,

 0.0000, 0.0000,

0.3871

0.0000

247.8988, 0.3883,
0.3837

■ 29.2412, 0.4595,
0.4261

■ 29.2412, 0.4595,
0.4261

■ 26.8928, 0.4819,
0.4313

■ 31.8376, 0.4357,
0.4167

■ 24.7754, 0.5015,
0.4314

■ 34.6886, 0.4118,
0.4042

■ 22.9545, 0.5175,
0.4273

■ 37.8057, 0.3886,
0.3898

■ 41.1983, 0.3670,
0.3745

■ 44.8751, 0.3472,
0.3590

■ 48.8441, 0.3293,
0.3440

■ 53.1133, 0.3134,
0.3297

■ 57.6900, 0.2993,
0.3162

■ 62.5814, 0.2869,
0.3038

Harmonies

Analogous

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



29.2412, 0.4783, 0.3661



29.2412, 0.4595, 0.4261



29.2412, 0.4015, 0.4736

Triad

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



29.2412, 0.4595, 0.4261



29.2412, 0.1937, 0.3327



29.2412, 0.2825, 0.2187

Complementary

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



29.2412, 0.4595, 0.4261



16.7466, 0.1995, 0.1928

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.



29.2412, 0.2164, 0.2040



29.2412, 0.4595, 0.4261



29.2412, 0.1711, 0.2569

Square

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



29.2412, 0.4595, 0.4261



29.2412, 0.2481, 0.4238



29.2412, 0.1791, 0.2150



29.2412, 0.3678, 0.2550

Rectangle

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



29.2412, 0.4595, 0.4261



29.2412, 0.3510, 0.4846



29.2412, 0.1791, 0.2150



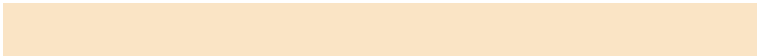
29.2412, 0.2575, 0.2112

Sweetspot

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



29.2427, 0.4595, 0.4261



79.7950, 0.3488, 0.3604



15.5203, 0.4418, 0.2578



16.7172, 0.3541, 0.3646



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



29.2427, 0.4595, 0.4261



45.8987, 0.4938, 0.4320



48.6128, 0.3982, 0.4894



11.0281, 0.3275, 0.3424



15.4298, 0.5159, 0.4286



0.8004, 0.4888, 0.4501

Inverse Universe

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



16.7466, 0.1995, 0.1928



22.3430, 0.1809, 0.1582



7.9347, 0.1838, 0.1094



10.4259, 0.2984, 0.3153



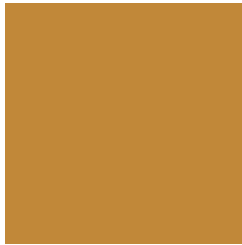
6.6118, 0.1705, 0.1338



0.4217, 0.1829, 0.1785

Previews

White Background



This preview shows how the Yxy color 29.2412, 0.4595, 0.4261 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 29.2412, 0.4595, 0.4261 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 29.2412, 0.4595, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 29.2412, 0.4595, 0.4261.



This preview shows how white text looks on a background with the Yxy color 29.2412, 0.4595, 0.4261.

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

29.2412, 0.4595, 0.4261

Protanopia

29.3986, 0.4132, 0.4547

Deuteranopia

29.2320, 0.4463, 0.4369



Tritanopia

29.2503, 0.3852, 0.3172

Trichromacy



Original Color

29.2412, 0.4595, 0.4261

Protanomaly

29.3762, 0.4301, 0.4442

Deuteranomaly

29.3156, 0.4506, 0.4340

Tritanomaly

29.0511, 0.4164, 0.3602

Monochromacy



Original Color

29.2412, 0.4595, 0.4261

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.9010, 0.3670, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2412, 0.4595, 0.4261 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(193, 136, 57)` looks like.

```
.text, #text, p{  
    color:rgb(193, 136, 57)  
}
```

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(193, 136, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 136, 57) }
```

Border

The CSS property to change the border of an element to Yxy 29.2412, 0.4595, 0.4261 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(193, 136, 57) }
```

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

```
.border{ border-color:rgb(193, 136, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 136, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 136, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 136, 57);  
box-shadow:4px 4px 4px 4px rgb(193, 136,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2412, 0.4595, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 136, 57) }
```

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

```
.background{ background-color: rgb(193,  
136, 57) }
```

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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