

Converting Colors

$Y_{xy}(29.9482, 0.4216, 0.4629)$

Have a look what the booklet for
Yxy(29.9482, 0.4216, 0.4629)
contains.

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Color

Yxy(29.9494, 0.4216, 0.4629)

Conversions

Conversions Part 1

Format	Color
Hex	A79533
RGB	167, 149, 51
RGB Percent	65%, 58%, 20%
CMY	0.3452, 0.4156, 0.8001
CMYK	0.00, 0.11, 0.69, 0.35
HSL	51°, 53%, 43%
HSV	51°, 69%, 65%
XYZ	27.2773, 29.9494, 7.4728
YIQ	143.2100, 42.1860, -26.6620

Conversions

Conversions Part 2

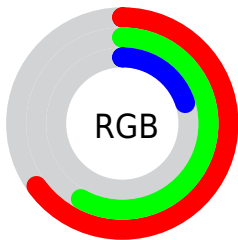
Format	Color
R_{YB}	72, 167, 51
Decimal	10982707
CIE Lab	61.61, -4.72, 51.93
CIE LCh	62, 52.141, 95.197
Yxy	29.9494, 0.4216, 0.4629
Android (android.graphics.Color)	4289172787 (0xFFA79533)
YUV	143.2100, -45.4595, 20.8638
Hunter-Lab	54.7260, -6.8001, 30.2122

Details

The Yxy color **29.9494, 0.4216, 0.4629** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.7421, 0.1878, 0.1390**, and the grayscale version is **27.7282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6987, 0.4033, 0.4389**, and **12.3684, 0.4403, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **29.0198, 0.4333, 0.4732**, and if you desaturate by 10%, it is **30.9529, 0.4077, 0.4487**.

Distribution



Red (65%)

Green (58%)

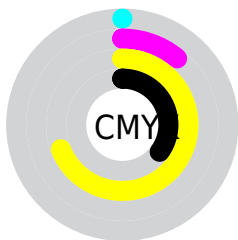
Blue (20%)



Red (28%)

Yellow (65%)

Blue (20%)

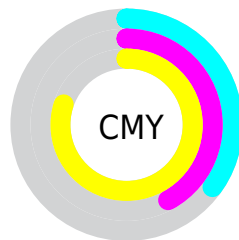


Cyan (0%)

Magenta (11%)

Yellow (69%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9494, 0.4216, 0.4629 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 29.9494, 0.4216, 0.4629 by changing the saturation by 10% instead.


 29.9494, 0.4216,
0.4629


 29.9494, 0.4216,
0.4629


301.6685, 0.3679,
0.3948


 19.8002, 0.4329,
0.4783


 59.5821, 0.4032,
0.4388


 12.2499, 0.4452,
0.4961


 79.8345, 0.3959,
0.4295

 6.9141, 0.4635,
0.5229


 104.2233, 0.3895,
0.4215

 3.4084, 0.4652,
0.5348

 133.1330, 0.3840,
0.4146

 1.3485, 0.4570,
0.5430

 166.9480, 0.3792,
0.4087

 0.1783, 0.2330,
0.7670

 206.0526, 0.3750,

 0.0000, 0.0000,

0.4035

0.0000

250.8313, 0.3713,
0.3989

■ 29.9494, 0.4216,
0.4629

■ 29.9494, 0.4216,
0.4629

■ 29.0198, 0.4333,
0.4732

■ 30.9529, 0.4077,
0.4487

■ 28.1538, 0.4423,
0.4791

■ 32.0312, 0.3922,
0.4312

■ 27.3401, 0.4489,
0.4814

■ 33.1904, 0.3758,
0.4116

■ 27.2974, 0.4493,
0.4815

■ 34.4346, 0.3591,
0.3907

■ 35.7676, 0.3426,
0.3694

■ 37.1931, 0.3268,
0.3483

■ 38.7143, 0.3119,
0.3279

■ 40.3343, 0.2981,
0.3086

■ 42.0561, 0.2854,
0.2906

Harmonies

Analogous

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



29.9494, 0.4704, 0.4093



29.9494, 0.4216, 0.4629



29.9494, 0.3476, 0.4851

Triad

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



29.9494, 0.4216, 0.4629



29.9494, 0.1739, 0.2754



29.9494, 0.3424, 0.2422

Complementary

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



29.9494, 0.4216, 0.4629



7.7421, 0.1878, 0.1390

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.



29.9494, 0.2604, 0.2116



29.9494, 0.4216, 0.4629



29.9494, 0.1733, 0.2234

Square

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



29.9494, 0.4216, 0.4629



29.9494, 0.2060, 0.3596



29.9494, 0.2022, 0.2039



29.9494, 0.4256, 0.2905

Rectangle

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



29.9494, 0.4216, 0.4629



29.9494, 0.2942, 0.4668



29.9494, 0.2022, 0.2039



29.9494, 0.3134, 0.2297

Sweetspot

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



29.9508, 0.4216, 0.4629



63.6083, 0.3458, 0.3735



11.0253, 0.5026, 0.3040



14.0912, 0.3501, 0.3791



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.9508, 0.4216, 0.4629



51.1939, 0.4381, 0.4768



32.4810, 0.3650, 0.5074



8.5730, 0.3266, 0.3479



20.9528, 0.4490, 0.4817



0.5614, 0.4378, 0.4906

Inverse Universe

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



7.7421, 0.1878, 0.1390



9.1344, 0.1667, 0.1007



7.3113, 0.2166, 0.1284



7.4812, 0.2986, 0.3093



2.7439, 0.1542, 0.0750



0.1205, 0.1675, 0.1230

Previews

White Background



This preview shows how the Yxy color 29.9494, 0.4216, 0.4629 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 29.9494, 0.4216, 0.4629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

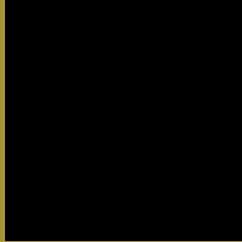
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9494, 0.4216, 0.4629

Background



This preview shows how black text looks on a background with the Yxy color 29.9494, 0.4216, 0.4629.



This preview shows how white text looks on a background with the Yxy color 29.9494, 0.4216, 0.4629.

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

29.9494, 0.4216, 0.4629

Protanopia

29.9494, 0.4216, 0.4629

Deuteranopia

29.7552, 0.4488, 0.4387



Tritanopia

29.7812, 0.3409, 0.3132

Trichromacy



Original Color

29.9494, 0.4216, 0.4629

Protanomaly

29.9494, 0.4216, 0.4629

Deuteranomaly

29.7873, 0.4387, 0.4474

Tritanomaly

29.6305, 0.3754, 0.3724

Monochromacy



Original Color

29.9494, 0.4216, 0.4629

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.0520, 0.3559, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9494, 0.4216, 0.4629 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(167, 149, 51)` looks like.

```
.text, #text, p{  
    color:rgb(167, 149, 51)  
}
```

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(167, 149, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 149, 51) }
```

Border

The CSS property to change the border of an element to Yxy 29.9494, 0.4216, 0.4629 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(167, 149, 51) }
```

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

```
.border{ border-color:rgb(167, 149, 51) }
```

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

Here you see how a box with a 4 pixel rgb(167, 149, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 149, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 149, 51);  
box-shadow:4px 4px 4px 4px rgb(167, 149,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9494, 0.4216, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 149, 51) }
```

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

```
.background{ background-color: rgb(167,  
149, 51) }
```

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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