

Converting Colors

$Y_{xy}(29.6972, 0.4272, 0.4921)$

Have a look what the booklet for
Yxy(29.6972, 0.4272, 0.4921)
contains.

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Color

Yxy(29.7477, 0.4276, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	A19710
RGB	161, 151, 16
RGB Percent	63%, 59%, 6%
CMY	0.3686, 0.4078, 0.9373
CMYK	0.00, 0.06, 0.90, 0.37
HSL	56°, 82%, 35%
HSV	56°, 90%, 63%
XYZ	25.8592, 29.7477, 4.8682
YIQ	138.6000, 49.2950, -39.8650

Conversions

Conversions Part 2

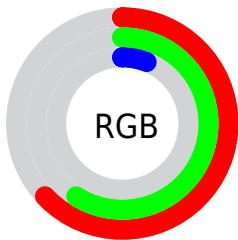
Format	Color
R _Y B	27, 161, 16
Decimal	10589968
CIE Lab	61.44, -9.79, 62.53
CIE LCh	61, 63.287, 98.897
Yxy	29.7477, 0.4276, 0.4919
Android (android.graphics.Color)	4288780048 (0xFFA19710)
YUV	138.6000, -60.4418, 19.6448
Hunter-Lab	54.5415, -10.8173, 32.8869

Details

The Yxy color **29.7477, 0.4276, 0.4919** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.4219, 0.1578, 0.0770**, and the grayscale version is **25.8798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2728, 0.4109, 0.4646**, and **12.3106, 0.4258, 0.5001** is the 20% darker color. If you saturate the color by 10%, you get **29.3584, 0.4318, 0.4954**, and if you desaturate by 10%, it is **30.1758, 0.4214, 0.4851**.

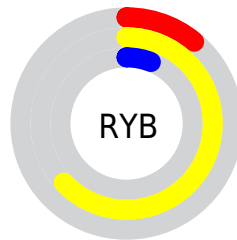
Distribution



Red (63%)

Green (59%)

Blue (6%)



Red (11%)

Yellow (63%)

Blue (6%)

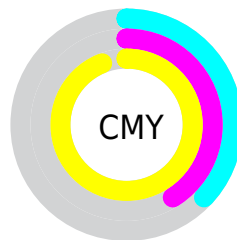


Cyan (0%)

Magenta (6%)

Yellow (90%)

Black (37%)



Cyan (37%)

Magenta (41%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7477, 0.4276, 0.4919 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 29.7477, 0.4276, 0.4919 by changing the saturation by 10% instead.

■ 29.7477, 0.4276,
0.4919

■ 29.7477, 0.4276,
0.4919

■ 300.7267, 0.3745,
0.4105

■ 19.6472, 0.4364,
0.5089

■ 59.2630, 0.4109,
0.4640

■ 12.1388, 0.4448,
0.5281

■ 79.4465, 0.4037,
0.4529

■ 6.8383, 0.4507,
0.5493

■ 103.7597, 0.3973,
0.4433

■ 3.3612, 0.4407,
0.5593

■ 132.5872, 0.3917,
0.4349

■ 1.3231, 0.4231,
0.5769

■ 166.3132, 0.3866,
0.4276

■ 0.1590, 0.0000,
1.0000

■ 205.3222, 0.3821,

■ 0.0000, 0.0000,

0.4212

0.0000

249.9986, 0.3781,
0.4156

29.7477, 0.4276,
0.4919

29.7477, 0.4276,
0.4919

29.3584, 0.4318,
0.4954

30.1758, 0.4214,
0.4851

30.6486, 0.4125,
0.4741

31.1731, 0.4013,
0.4592

31.7540, 0.3881,
0.4408

32.3955, 0.3736,
0.4200

■ 33.1012, 0.3583,
0.3976

■ 33.8746, 0.3428,
0.3745

■ 34.7188, 0.3275,
0.3515

■ 35.6369, 0.3128,
0.3292

Harmonies

Analogous

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



29.7477, 0.4936, 0.4260



29.7477, 0.4276, 0.4919



29.7477, 0.3378, 0.5199

Triad

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



29.7477, 0.4276, 0.4919



29.7477, 0.1484, 0.2520



29.7477, 0.3606, 0.2328

Complementary

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



29.7477, 0.4276, 0.4919



3.4219, 0.1578, 0.0770

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.



29.7477, 0.2599, 0.1951



29.7477, 0.4276, 0.4919



29.7477, 0.1527, 0.1986

Square

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



29.7477, 0.4276, 0.4919



29.7477, 0.1786, 0.3501



29.7477, 0.1890, 0.1824



29.7477, 0.4601, 0.2892

Rectangle

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



29.7477, 0.4276, 0.4919



29.7477, 0.2755, 0.4932



29.7477, 0.1890, 0.1824



29.7477, 0.3250, 0.2177

Sweetspot

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



29.7491, 0.4276, 0.4919



59.6188, 0.3543, 0.3917



8.0322, 0.6042, 0.3215



12.9826, 0.3592, 0.3990



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.7491, 0.4276, 0.4919



52.4540, 0.4320, 0.4952



28.2724, 0.3532, 0.5498



8.1532, 0.3263, 0.3497



23.4695, 0.4317, 0.4955



0.5163, 0.4267, 0.4994

Inverse Universe

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



3.4219, 0.1578, 0.0770



4.9341, 0.1511, 0.0638



4.4970, 0.1998, 0.0933



6.9348, 0.2987, 0.3074



2.2728, 0.1516, 0.0657



0.0699, 0.1588, 0.0915

Previews

White Background



This preview shows how the Yxy color 29.7477, 0.4276, 0.4919 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 29.7477, 0.4276, 0.4919 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 29.7477, 0.4276, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 29.7477, 0.4276, 0.4919.



This preview shows how white text looks on a background with the Yxy color 29.7477, 0.4276, 0.4919.

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

29.7477, 0.4276, 0.4919

Protanopia

29.7449, 0.4367, 0.4853

Deuteranopia

29.6891, 0.4646, 0.4567



Tritanopia

29.5366, 0.3341, 0.3129

Trichromacy



Original Color

29.7477, 0.4276, 0.4919

Protanomaly

29.8465, 0.4334, 0.4879

Deuteranomaly

29.7737, 0.4516, 0.4696

Tritanomaly

29.1213, 0.3819, 0.3928

Monochromacy



Original Color

29.7477, 0.4276, 0.4919

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6561, 0.3673, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7477, 0.4276, 0.4919 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(161, 151, 16)` looks like.

```
.text, #text, p{  
    color:rgb(161, 151, 16)  
}
```

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(161, 151, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 151, 16) }
```

Border

The CSS property to change the border of an element to Yxy 29.7477, 0.4276, 0.4919 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(161, 151, 16) }
```

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

```
.border{ border-color:rgb(161, 151, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 151, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 151, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 151, 16);  
box-shadow:4px 4px 4px 4px rgb(161, 151,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7477, 0.4276, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 151, 16) }
```

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

```
.background{ background-color: rgb(161,  
151, 16) }
```

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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