

Converting Colors

$Y_{xy}(29.3753, 0.4042, 0.4329)$

Have a look what the booklet for
Yxy(29.3753, 0.4042, 0.4329)
contains.

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Color

Yxy(29.4962, 0.4036, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	A6934C
RGB	166, 147, 76
RGB Percent	65%, 58%, 30%
CMY	0.3491, 0.4235, 0.7019
CMYK	0.00, 0.11, 0.54, 0.35
HSL	47°, 37%, 47%
HSV	47°, 54%, 65%
XYZ	27.4617, 29.4962, 11.0840
YIQ	144.5870, 34.1150, -18.0530

Conversions

Conversions Part 2

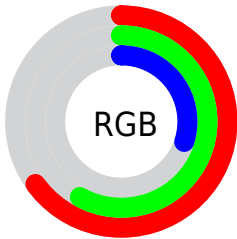
Format	Color
RYB	100, 166, 76
Decimal	10916684
CIELab	61.22, -2.29, 39.75
CIElCh	61, 39.814, 93.290
Yxy	29.4962, 0.4036, 0.4335
Android (android.graphics.Color)	4289106764 (0xFFA6934C)
YUV	144.5870, -33.8134, 18.7792
Hunter-Lab	54.3104, -4.7857, 25.9170

Details

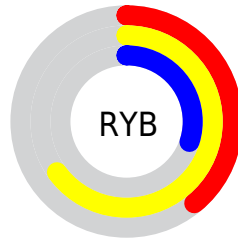
The Yxy color **29.4962, 0.4036, 0.4335** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4701, 0.2175, 0.1943**, and the grayscale version is **28.2685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9936, 0.3865, 0.4134**, and **12.0733, 0.4289, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **28.2235, 0.4201, 0.4488**, and if you desaturate by 10%, it is **30.8644, 0.3861, 0.4157**.

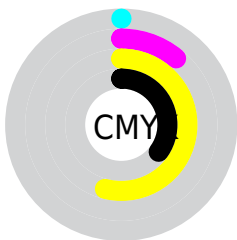
Distribution



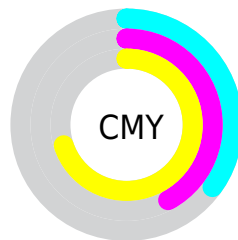
- Red (65%)
- Green (58%)
- Blue (30%)



- Red (39%)
- Yellow (65%)
- Blue (30%)



- Cyan (0%)
- Magenta (11%)
- Yellow (54%)
- Black (35%)




- Cyan (35%)
- Magenta (42%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4962, 0.4036, 0.4335 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 29.4962, 0.4036, 0.4335 by changing the saturation by 10% instead.

 29.4962, 0.4036,
0.4335


 29.4962, 0.4036,
0.4335

299.5490, 0.3567,
0.3789


 19.4565, 0.4149,
0.4470


 58.8645, 0.3866,
0.4135

 12.0006, 0.4287,
0.4638


 78.9620, 0.3802,
0.4060


 6.7441, 0.4450,
0.4843


 103.1807, 0.3747,
0.3997

 3.3026, 0.4766,
0.5234

 131.9053, 0.3701,
0.3943

 1.2917, 0.4726,
0.5274

 165.5200, 0.3661,
0.3896

 0.1347, 0.3491,
0.6509

204.4093, 0.3625,

 0.0000, 0.0000,

0.3856

0.0000

248.9575, 0.3595,
0.3820

■ 29.4962, 0.4036,
0.4335

■ 29.4962, 0.4036,
0.4335

■ 28.2235, 0.4201,
0.4488

■ 30.8644, 0.3861,
0.4157

■ 27.0372, 0.4349,
0.4605

■ 32.3283, 0.3685,
0.3964

■ 25.9328, 0.4474,
0.4680

■ 33.8935, 0.3511,
0.3763

■ 24.9038, 0.4570,
0.4710

■ 35.5637, 0.3345,
0.3564

■ 24.3330, 0.4619,
0.4715

■ 37.3425, 0.3189,
0.3369

■ 39.2332, 0.3045,
0.3184

■ 41.2389, 0.2914,
0.3010

■ 43.3628, 0.2795,
0.2849

■ 45.6076, 0.2687,
0.2700

Harmonies

Analogous

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



29.4962, 0.4377, 0.3936



29.4962, 0.4036, 0.4335



29.4962, 0.3469, 0.4475

Triad

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



29.4962, 0.4036, 0.4335



29.4962, 0.2032, 0.2932



29.4962, 0.3323, 0.2578

Complementary

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



29.4962, 0.4036, 0.4335



12.4701, 0.2175, 0.1943

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.



29.4962, 0.2690, 0.2338



29.4962, 0.4036, 0.4335



29.4962, 0.2003, 0.2487

Square

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



29.4962, 0.4036, 0.4335



29.4962, 0.2322, 0.3578



29.4962, 0.2228, 0.2297



29.4962, 0.3960, 0.2970

Rectangle

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



29.4962, 0.4036, 0.4335



29.4962, 0.3047, 0.4337



29.4962, 0.2228, 0.2297



29.4962, 0.3101, 0.2479

Sweetspot

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



29.4976, 0.4036, 0.4335



63.9093, 0.3379, 0.3605



14.1102, 0.4330, 0.2996



14.1663, 0.3411, 0.3644



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.



29.4976, 0.4036, 0.4335



50.7910, 0.4232, 0.4514



33.4066, 0.3630, 0.4694



8.5012, 0.3267, 0.3467



18.9420, 0.4614, 0.4718



0.5264, 0.4451, 0.4847

Inverse Universe

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



12.4701, 0.2175, 0.1943



16.7478, 0.1960, 0.1596



10.7178, 0.2365, 0.1702



7.5475, 0.2986, 0.3107



3.1248, 0.1567, 0.0839



0.1453, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 29.4962, 0.4036, 0.4335 looks on a white background.

Color Contrast Check

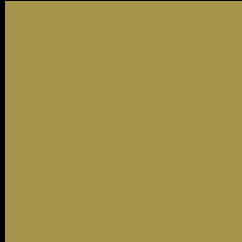
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4962, 0.4036, 0.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

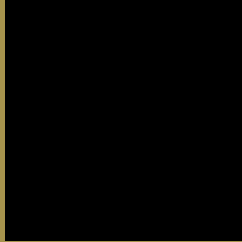
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4962, 0.4036, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 29.4962, 0.4036, 0.4335.



This preview shows how white text looks on a background with the Yxy color 29.4962, 0.4036, 0.4335.

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

29.4962, 0.4036, 0.4335

Protanopia

29.4881, 0.3994, 0.4363

Deuteranopia

29.4236, 0.4238, 0.4162



Tritanopia

29.5515, 0.3387, 0.3131

Trichromacy



Original Color

29.4962, 0.4036, 0.4335

Protanomaly

29.5941, 0.4006, 0.4358

Deuteranomaly

29.4108, 0.4174, 0.4223

Tritanomaly

29.3221, 0.3638, 0.3577

Monochromacy



Original Color

29.4962, 0.4036, 0.4335

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.6861, 0.3464, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4962, 0.4036, 0.4335 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(166, 147, 76)` looks like.

```
.text, #text, p{  
    color:rgb(166, 147, 76)  
}
```

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(166, 147, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 147, 76) }
```

Border

The CSS property to change the border of an element to Yxy 29.4962, 0.4036, 0.4335 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(166, 147, 76) }
```

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

```
.border{ border-color:rgb(166, 147, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 147, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 147, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 147, 76);  
box-shadow:4px 4px 4px 4px rgb(166, 147,  
76) }
```


Background

The CSS property to change the background color of an element to `rgb(29.4962, 0.4036, 0.4335)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 147, 76) }
```

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

```
.background{ background-color: rgb(166,  
147, 76) }
```

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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