

Converting Colors

$Y_{xy}(28.8895, 0.3020, 0.4925)$

Have a look what the booklet for
Yxy(28.8895, 0.3020, 0.4925)
contains.

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Color

Yxy(28.9706, 0.3022, 0.4928)

Conversions

Conversions Part 1

Format	Color
Hex	4BA54F
RGB	75, 165, 79
RGB Percent	29%, 65%, 31%
CMY	0.7060, 0.3529, 0.6902
CMYK	0.55, 0.00, 0.52, 0.35
HSL	123°, 38%, 47%
HSV	123°, 55%, 65%
XYZ	17.7657, 28.9706, 12.0515
YIQ	128.2860, -26.0340, -45.8260

Conversions

Conversions Part 2

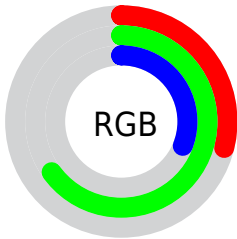
Format	Color
RYB	75, 161, 165
Decimal	4957519
CIELab	60.76, -44.96, 36.31
CIElCh	61, 57.794, 141.077
Yxy	28.9706, 0.3022, 0.4928
Android (android.graphics.Color)	4283147599 (0xFF4BA54F)
YUV	128.2860, -24.2980, -46.7318
Hunter-Lab	53.8243, -35.2756, 24.4018

Details

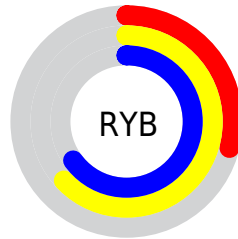
The Yxy color $28.9706, 0.3022, 0.4928$ is a dark color, and the websafe version is hex 339933 . A complement of this color would be $15.5995, 0.3241, 0.2066$, and the grayscale version is $21.7809, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.1499, 0.3074, 0.4555$, and $11.6885, 0.2891, 0.5594$ is the 20% darker color. If you saturate the color by 10%, you get $28.1880, 0.3007, 0.5254$, and if you desaturate by 10%, it is $29.9826, 0.3040, 0.4587$.

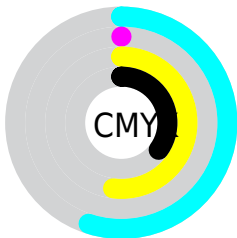
Distribution



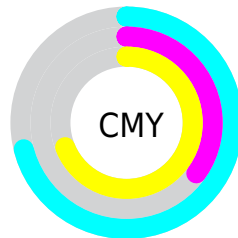
- Red (29%)
- Green (65%)
- Blue (31%)



- Red (29%)
- Yellow (63%)
- Blue (65%)



- Cyan (55%)
- Magenta (0%)
- Yellow (52%)
- Black (35%)




- Cyan (71%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9706, 0.3022, 0.4928 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 28.9706, 0.3022, 0.4928 by changing the saturation by 10% instead.


 28.9706, 0.3022,
0.4928


 28.9706, 0.3022,
0.4928


297.0762, 0.3121,
0.3985

 19.0586, 0.2973,
0.5208


 58.0304, 0.3073,
0.4553

 11.7126, 0.2891,
0.5594


 77.9469, 0.3087,
0.4422


 6.5483, 0.2740,
0.6149


 101.9671, 0.3098,
0.4315

 3.1813, 0.2588,
0.7412

 130.4753, 0.3105,
0.4227

 1.2271, 0.0271,
0.9729

 163.8559, 0.3110,
0.4152

 0.0837, 0.0000,
1.0000

202.4933, 0.3115,

 0.0000, 0.0000,

0.4088

0.0000

246.7720, 0.3118,
0.4033

■ 28.9706, 0.3022,
0.4928

■ 28.9706, 0.3022,
0.4928

■ 28.1880, 0.3007,
0.5254

■ 29.9826, 0.3040,
0.4587

■ 27.6135, 0.2997,
0.5542

■ 31.2360, 0.3060,
0.4252

■ 27.2283, 0.2992,
0.5767

■ 32.7464, 0.3080,
0.3937

■ 27.0081, 0.2993,
0.5916

■ 34.5270, 0.3100,
0.3651

■ 26.9292, 0.2991,
0.5968

■ 36.5900, 0.3119,
0.3396

■ 38.9470, 0.3136,
0.3173

■ 41.6089, 0.3152,
0.2979

■ 44.5860, 0.3166,
0.2812

■ 47.8881, 0.3179,
0.2668

Harmonies

Analogous

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



28.9706, 0.3895, 0.4978



28.9706, 0.3022, 0.4928



28.9706, 0.2224, 0.4131

Triad

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



28.9706, 0.3022, 0.4928



28.9706, 0.1727, 0.1973



28.9706, 0.4751, 0.3177

Complementary

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



28.9706, 0.3022, 0.4928



15.5995, 0.3241, 0.2066

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.



28.9706, 0.3972, 0.2592



28.9706, 0.3022, 0.4928



28.9706, 0.2204, 0.1932

Square

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



28.9706, 0.3022, 0.4928



28.9706, 0.1564, 0.2332



28.9706, 0.2998, 0.2152



28.9706, 0.4973, 0.3828

Rectangle

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



28.9706, 0.3022, 0.4928



28.9706, 0.1847, 0.3416



28.9706, 0.2998, 0.2152



28.9706, 0.4541, 0.2972

Sweetspot

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



28.9718, 0.3022, 0.4928



61.2443, 0.3097, 0.3698



35.1025, 0.3868, 0.4583



13.2495, 0.3093, 0.3752



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.9718, 0.3022, 0.4928



50.2863, 0.3005, 0.5304



29.8371, 0.2722, 0.4076



7.8999, 0.3110, 0.3511



20.3722, 0.2990, 0.5962



0.4295, 0.2941, 0.5788

Inverse Universe

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



15.5995, 0.3241, 0.2066



23.9066, 0.3265, 0.1873



14.3112, 0.3932, 0.2649



7.1967, 0.3144, 0.3078



7.9110, 0.3322, 0.1604



0.1678, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 28.9706, 0.3022, 0.4928 looks on a white background.

Color Contrast Check

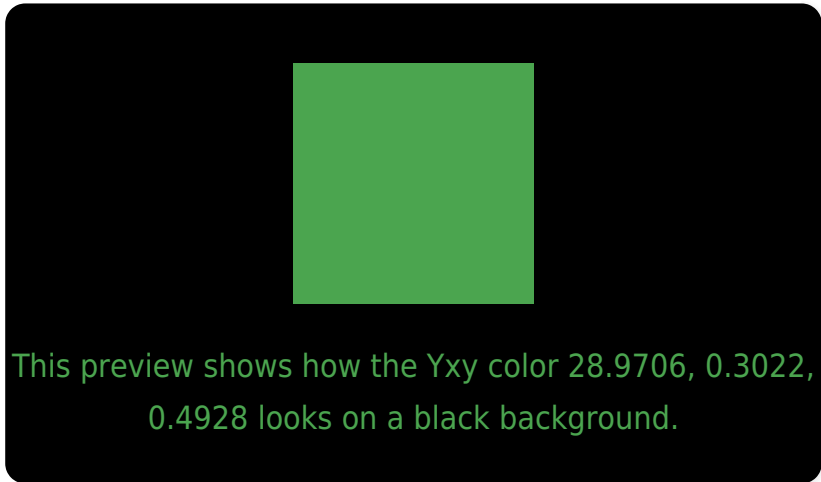
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 28.9706, 0.3022, 0.4928

Background



This preview shows how black text looks on a background with the Yxy color 28.9706, 0.3022, 0.4928.



This preview shows how white text looks on a background with the Yxy color 28.9706, 0.3022, 0.4928.

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

28.9706, 0.3022, 0.4928

Protanopia

28.6159, 0.4013, 0.4386

Deuteranopia

28.4842, 0.4131, 0.4052



Tritanopia

28.7027, 0.2513, 0.3068

Trichromacy



Original Color

28.9706, 0.3022, 0.4928



Protanomaly

28.0363, 0.3595, 0.4610



Deuteranomaly

27.3798, 0.3669, 0.4373



Tritanomaly

28.6486, 0.2702, 0.3709

Monochromacy



Original Color

28.9706, 0.3022, 0.4928



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.4268, 0.3089, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9706, 0.3022, 0.4928 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(75, 165, 79)` looks like.

```
.text, #text, p{  
    color:rgb(75, 165, 79)  
}
```

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(75, 165, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 165, 79) }
```

Border

The CSS property to change the border of an element to Yxy 28.9706, 0.3022, 0.4928 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(75, 165, 79) }
```

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

```
.border{ border-color:rgb(75, 165, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 165, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 165, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 165, 79);  
box-shadow:4px 4px 4px 4px rgb(75, 165,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9706, 0.3022, 0.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 165, 79) }
```

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

```
.background{ background-color: rgb(75, 165,  
79) }
```

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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