

Converting Colors

$Y_{xy}(28.9685, 0.2950, 0.5317)$

Have a look what the booklet for
Yxy(28.9685, 0.2950, 0.5317)
contains.

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Color

Yxy(28.9685, 0.2950, 0.5317)

Conversions

Conversions Part 1

Format	Color
Hex	2FA83F
RGB	47, 168, 63
RGB Percent	18%, 66%, 25%
CMY	0.8156, 0.3412, 0.7531
CMYK	0.72, 0.00, 0.63, 0.34
HSL	128°, 56%, 42%
HSV	128°, 72%, 66%
XYZ	16.0724, 28.9685, 9.4419
YIQ	119.8510, -38.4110, -58.3070

Conversions

Conversions Part 2

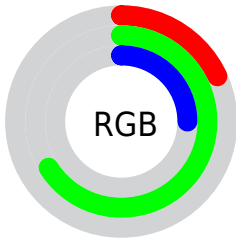
Format	Color
RYB	47, 154, 168
Decimal	3123263
CIELab	60.75, -54.34, 43.81
CIElCh	61, 69.803, 141.125
Yxy	28.9685, 0.2950, 0.5317
Android (android.graphics.Color)	4281313343 (0xFF2FA83F)
YUV	119.8510, -28.0275, -63.8903
Hunter-Lab	53.8224, -40.8856, 27.2746

Details

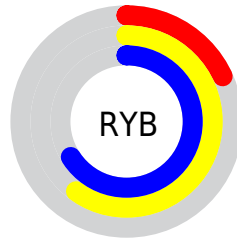
The Yxy color **28.9685, 0.2950, 0.5317** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.6298, 0.3438, 0.1901**, and the grayscale version is **18.8351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8412, 0.3032, 0.4855**, and **12.0478, 0.2984, 0.5942** is the 20% darker color. If you saturate the color by 10%, you get **28.5022, 0.2950, 0.5574**, and if you desaturate by 10%, it is **29.6341, 0.2959, 0.5021**.

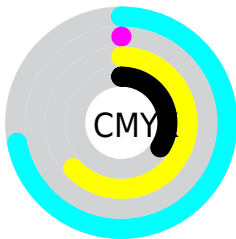
Distribution



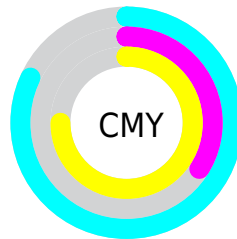
- Red (18%)
- Green (66%)
- Blue (25%)



- Red (18%)
- Yellow (60%)
- Blue (66%)



- Cyan (72%)
- Magenta (0%)
- Yellow (63%)
- Black (34%)




- Cyan (82%)
- Magenta (34%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9685, 0.2950, 0.5317 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 28.9685, 0.2950, 0.5317 by changing the saturation by 10% instead.


 28.9685, 0.2950,
0.5317


 28.9685, 0.2950,
0.5317

297.0663, 0.3110,
0.4143


 19.0570, 0.2872,
0.5663


 58.0270, 0.3032,
0.4850

 11.7115, 0.2743,
0.6132


 77.9429, 0.3055,
0.4687


 6.5475, 0.2521,
0.6809


 101.9622, 0.3072,
0.4554

 3.1808, 0.2123,
0.7877

 130.4696, 0.3084,
0.4443

 1.2268, 0.0000,
1.0000

 163.8492, 0.3093,
0.4350

 0.0835, 0.0000,
1.0000

202.4857, 0.3100,

 0.0000, 0.0000,

0.4271

0.0000

246.7632, 0.3106,
0.4202

■ 28.9685, 0.2950,
0.5317

■ 28.9685, 0.2950,
0.5317

■ 28.5022, 0.2950,
0.5574

■ 29.6341, 0.2959,
0.5021

■ 28.2093, 0.2960,
0.5775

■ 30.5144, 0.2977,
0.4706

■ 28.0645, 0.2969,
0.5890

■ 31.6271, 0.3001,
0.4390

■ 32.9874, 0.3029,
0.4088

■ 34.6089, 0.3059,
0.3808

■ 36.5043, 0.3091,
0.3556

■ 38.6856, 0.3121,
0.3332

■ 41.1640, 0.3151,
0.3135

■ 43.9500, 0.3178,
0.2964

Harmonies

Analogous

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



28.9685, 0.3962, 0.5284



28.9685, 0.2950, 0.5317



28.9685, 0.2036, 0.4319

Triad

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



28.9685, 0.2950, 0.5317



28.9685, 0.1512, 0.1757



28.9685, 0.5079, 0.3117

Complementary

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



28.9685, 0.2950, 0.5317



12.6298, 0.3438, 0.1901

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.



28.9685, 0.4137, 0.2467



28.9685, 0.2950, 0.5317



28.9685, 0.2041, 0.1724

Square

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



28.9685, 0.2950, 0.5317



28.9685, 0.1327, 0.2138



28.9685, 0.2960, 0.1973



28.9685, 0.5302, 0.3841

Rectangle

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



28.9685, 0.2950, 0.5317



28.9685, 0.1617, 0.3413



28.9685, 0.2960, 0.1973



28.9685, 0.4830, 0.2890

Sweetspot

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



28.9697, 0.2950, 0.5317



62.6744, 0.3058, 0.3819



35.0707, 0.3925, 0.4947



13.4863, 0.3050, 0.3888



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.



28.9697, 0.2950, 0.5317



51.3875, 0.2955, 0.5694



30.0072, 0.2601, 0.4181



8.4232, 0.3099, 0.3492



21.1971, 0.2966, 0.5878



0.5204, 0.2846, 0.5445

Inverse Universe

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



12.6298, 0.3438, 0.1901



19.9866, 0.3513, 0.1774



11.1582, 0.4572, 0.2662



7.6494, 0.3157, 0.3096



7.8561, 0.3565, 0.1738



0.1957, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 28.9685, 0.2950, 0.5317 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 28.9685, 0.2950, 0.5317 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 28.9685, 0.2950, 0.5317

Background



This preview shows how black text looks on a background with the Yxy color 28.9685, 0.2950, 0.5317.



This preview shows how white text looks on a background with the Yxy color 28.9685, 0.2950, 0.5317.

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

28.9685, 0.2950, 0.5317

Protanopia

28.5247, 0.4156, 0.4579

Deuteranopia

28.2285, 0.4297, 0.4205



Tritanopia

28.7217, 0.2414, 0.3064

Trichromacy



Original Color

28.9685, 0.2950, 0.5317



Protanomaly

27.4200, 0.3595, 0.4907



Deuteranomaly

26.7499, 0.3677, 0.4643



Tritanomaly

28.3574, 0.2615, 0.3857

Monochromacy



Original Color

28.9685, 0.2950, 0.5317



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.1193, 0.3028, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9685, 0.2950, 0.5317 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(47, 168, 63)` looks like.

```
.text, #text, p{  
    color:rgb(47, 168, 63)  
}
```

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(47, 168, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 168, 63) }
```

Border

The CSS property to change the border of an element to Yxy 28.9685, 0.2950, 0.5317 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(47, 168, 63) }
```

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

```
.border{ border-color:rgb(47, 168, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 168, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 168, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 168, 63);  
box-shadow:4px 4px 4px 4px rgb(47, 168,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9685, 0.2950, 0.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 168, 63) }
```

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

```
.background{ background-color: rgb(47, 168,  
63) }
```

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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