

Converting Colors

$Yxy(28.5167, 0.2966, 0.5035)$

Have a look what the booklet for
Yxy(28.5167, 0.2966, 0.5035)
contains.

Yxy(28.4750, 0.2968, 0.5038)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.4750, 0.2968, 0.5038)

Conversions

Conversions Part 1

Format	Color
Hex	3FA54B
RGB	63, 165, 75
RGB Percent	25%, 65%, 29%
CMY	0.7529, 0.3529, 0.7058
CMYK	0.62, 0.00, 0.55, 0.35
HSL	127°, 45%, 45%
HSV	127°, 62%, 65%
XYZ	16.7753, 28.4750, 11.2702
YIQ	124.2420, -31.9020, -49.6140

Conversions

Conversions Part 2

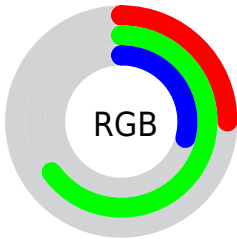
Format	Color
RYB	63, 154, 165
Decimal	4171083
CIELab	60.32, -48.48, 37.67
CIELCh	60, 61.397, 142.149
Yxy	28.4750, 0.2968, 0.5038
Android (android.graphics.Color)	4282361163 (0xFF3FA54B)
YUV	124.2420, -24.2763, -53.7092
Hunter-Lab	53.3620, -37.2689, 24.8312

Details

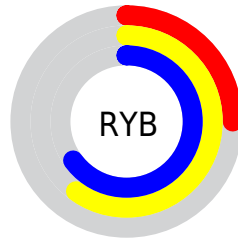
The Yxy color **28.4750, 0.2968, 0.5038** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.8545, 0.3365, 0.2023**, and the grayscale version is **20.3324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2842, 0.3034, 0.4634**, and **11.6585, 0.2914, 0.5692** is the 20% darker color. If you saturate the color by 10%, you get **27.8348, 0.2958, 0.5336**, and if you desaturate by 10%, it is **29.3259, 0.2985, 0.4720**.

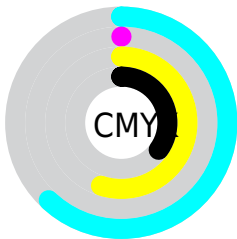
Distribution



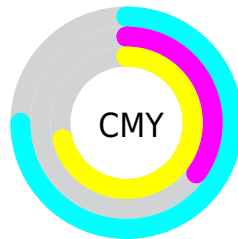
- Red (25%)
- Green (65%)
- Blue (29%)



- Red (25%)
- Yellow (60%)
- Blue (65%)



- Cyan (62%)
- Magenta (0%)
- Yellow (55%)
- Black (35%)




- Cyan (75%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4750, 0.2968, 0.5038 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 28.4750, 0.2968, 0.5038 by changing the saturation by 10% instead.


 28.4750, 0.2968,
0.5038


 28.4750, 0.2968,
0.5038


294.7297, 0.3101,
0.4026


 18.6840, 0.2907,
0.5341


 57.2419, 0.3035,
0.4634


 11.4422, 0.2805,
0.5758


 76.9866, 0.3054,
0.4493

 6.3651, 0.2623,
0.6357


 100.8181, 0.3067,
0.4379

 3.0683, 0.2382,
0.7618

 129.1206, 0.3078,
0.4284

 1.1675, 0.0000,
1.0000

 162.2787, 0.3086,
0.4204

 0.0349, 0.0000,
1.0000

200.6766, 0.3092,

 0.0000, 0.0000,

0.4136

0.0000

244.6988, 0.3097,
0.4077

■ 28.4750, 0.2968,
0.5038

■ 28.4750, 0.2968,
0.5038

■ 27.8348, 0.2958,
0.5336

■ 29.3259, 0.2985,
0.4720

■ 27.3837, 0.2958,
0.5593

■ 30.4002, 0.3008,
0.4400

■ 27.1014, 0.2966,
0.5791

■ 31.7133, 0.3035,
0.4094

■ 26.9597, 0.2973,
0.5904

■ 33.2787, 0.3064,
0.3811

■ 35.1085, 0.3093,
0.3555

■ 37.2142, 0.3122,
0.3328

■ 39.6067, 0.3149,
0.3130

■ 42.2962, 0.3175,
0.2957

■ 45.2923, 0.3199,
0.2807

Harmonies

Analogous

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



28.4750, 0.3890, 0.5094



28.4750, 0.2968, 0.5038



28.4750, 0.2137, 0.4152

Triad

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



28.4750, 0.2968, 0.5038



28.4750, 0.1665, 0.1893



28.4750, 0.4879, 0.3182

Complementary

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



28.4750, 0.2968, 0.5038



13.8545, 0.3365, 0.2023

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.



28.4750, 0.4063, 0.2570



28.4750, 0.2968, 0.5038



28.4750, 0.2173, 0.1864

Square

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



28.4750, 0.2968, 0.5038



28.4750, 0.1483, 0.2247



28.4750, 0.3021, 0.2104



28.4750, 0.5080, 0.3861

Rectangle

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



28.4750, 0.2968, 0.5038



28.4750, 0.1754, 0.3377



28.4750, 0.3021, 0.2104



28.4750, 0.4663, 0.2967

Sweetspot

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



28.4762, 0.2968, 0.5038



60.3622, 0.3071, 0.3745



34.0524, 0.3854, 0.4770



13.0128, 0.3064, 0.3817



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.



28.4762, 0.2968, 0.5038



49.5255, 0.2957, 0.5433



29.4719, 0.2635, 0.4031



7.9080, 0.3101, 0.3494



20.3988, 0.2971, 0.5894



0.4324, 0.2854, 0.5475

Inverse Universe

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



13.8545, 0.3365, 0.2023



21.0893, 0.3425, 0.1848



12.5161, 0.4265, 0.2710



7.1878, 0.3155, 0.3094



7.6163, 0.3524, 0.1715



0.1638, 0.3396, 0.1644

Previews

White Background



This preview shows how the Yxy color 28.4750, 0.2968, 0.5038 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 28.4750, 0.2968, 0.5038 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 28.4750, 0.2968, 0.5038

Background



This preview shows how black text looks on a background with the Yxy color 28.4750, 0.2968, 0.5038.



This preview shows how white text looks on a background with the Yxy color 28.4750, 0.2968, 0.5038.

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

28.4750, 0.2968, 0.5038

Protanopia

28.1417, 0.4051, 0.4442

Deuteranopia

28.0163, 0.4168, 0.4095



Tritanopia

28.2961, 0.2461, 0.3065

Trichromacy



Original Color

28.4750, 0.2968, 0.5038

Protanomaly

27.2714, 0.3576, 0.4684

Deuteranomaly

26.8952, 0.3646, 0.4459

Tritanomaly

28.1372, 0.2649, 0.3756

Monochromacy



Original Color

28.4750, 0.2968, 0.5038

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.3306, 0.3055, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4750, 0.2968, 0.5038 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(63, 165, 75)` looks like.

```
.text, #text, p{  
    color:rgb(63, 165, 75)  
}
```

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(63, 165, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 165, 75) }
```

Border

The CSS property to change the border of an element to Yxy 28.4750, 0.2968, 0.5038 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(63, 165, 75) }
```

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

```
.border{ border-color:rgb(63, 165, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 165, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 165, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 165, 75);  
box-shadow:4px 4px 4px 4px rgb(63, 165,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4750, 0.2968, 0.5038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 165, 75) }
```

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

```
.background{ background-color: rgb(63, 165,  
75) }
```

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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