

Converting Colors

$Yxy(28.6917, 0.3078, 0.5335)$

Have a look what the booklet for
Yxy(28.6917, 0.3078, 0.5335)
contains.

Yxy(28.6917, 0.3078, 0.5335)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6917, 0.3078, 0.5335)

Conversions

Conversions Part 1

Format	Color
Hex	41A639
RGB	65, 166, 57
RGB Percent	25%, 65%, 22%
CMY	0.7452, 0.3490, 0.7765
CMYK	0.61, 0.00, 0.66, 0.35
HSL	116°, 49%, 44%
HSV	116°, 66%, 65%
XYZ	16.5535, 28.6917, 8.5349
YIQ	123.3750, -25.2070, -55.3110

Conversions

Conversions Part 2

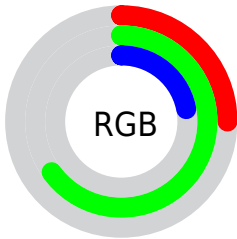
Format	Color
RYB	57, 166, 158
Decimal	4302393
CIELab	60.51, -50.55, 46.32
CIELCh	61, 68.564, 137.504
Yxy	28.6917, 0.3078, 0.5335
Android (android.graphics.Color)	4282492473 (0xFF41A639)
YUV	123.3750, -32.7229, -51.1949
Hunter-Lab	53.5646, -38.5748, 28.0481

Details

The Yxy color **28.6917, 0.3078, 0.5335** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.9495, 0.3084, 0.1779**, and the grayscale version is **20.0529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5576, 0.3134, 0.4868**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.0982, 0.3060, 0.5611**, and if you desaturate by 10%, it is **29.4847, 0.3094, 0.5013**.

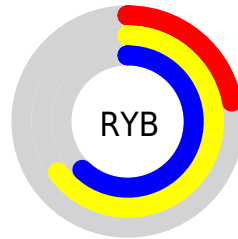
Distribution



Red (25%)

Green (65%)

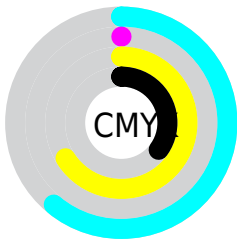
Blue (22%)



Red (22%)

Yellow (65%)

Blue (62%)

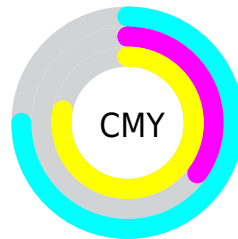


Cyan (61%)

Magenta (0%)

Yellow (66%)

Black (35%)



Cyan (75%)


Magenta (35%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6917, 0.3078, 0.5335 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 28.6917, 0.3078, 0.5335 by changing the saturation by 10% instead.


 28.6917, 0.3078,
0.5335


 28.6917, 0.3078,
0.5335


295.7575, 0.3173,
0.4157


 18.8477, 0.3015,
0.5676


 57.5869, 0.3138,
0.4870

 11.5603, 0.2901,
0.6134


 77.4069, 0.3152,
0.4706


 6.4450, 0.2712,
0.6823


 101.3210, 0.3161,
0.4572

 3.1175, 0.2291,
0.7709

 129.7137, 0.3166,
0.4460

 1.1934, 0.0000,
1.0000

 162.9693, 0.3170,
0.4367

 0.0563, 0.0000,
1.0000

 201.4722, 0.3172,

 0.0000, 0.0000,

0.4286

0.0000

245.6068, 0.3173,
0.4217

■ 28.6917, 0.3078,
0.5335

■ 28.6917, 0.3078,
0.5335

■ 28.0982, 0.3060,
0.5611

■ 29.4847, 0.3094,
0.5013

■ 27.6832, 0.3040,
0.5818

■ 30.4891, 0.3107,
0.4668

■ 27.4269, 0.3022,
0.5945

■ 31.7197, 0.3116,
0.4325

■ 27.3538, 0.3018,
0.5986

■ 33.1893, 0.3122,
0.3998

■ 34.9097, 0.3126,
0.3698

■ 36.8916, 0.3127,
0.3428

■ 39.1456, 0.3127,
0.3191

■ 41.6812, 0.3126,
0.2984

■ 44.5078, 0.3124,
0.2804

Harmonies

Analogous

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



28.6917, 0.4073, 0.5201



28.6917, 0.3078, 0.5335



28.6917, 0.2146, 0.4459

Triad

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



28.6917, 0.3078, 0.5335



28.6917, 0.1490, 0.1799



28.6917, 0.4972, 0.3040

Complementary

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



28.6917, 0.3078, 0.5335



12.9495, 0.3084, 0.1779

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.



28.6917, 0.3984, 0.2407



28.6917, 0.3078, 0.5335



28.6917, 0.1971, 0.1729

Square

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



28.6917, 0.3078, 0.5335



28.6917, 0.1346, 0.2229



28.6917, 0.2835, 0.1944



28.6917, 0.5290, 0.3752

Rectangle

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



28.6917, 0.3078, 0.5335



28.6917, 0.1697, 0.3570



28.6917, 0.2835, 0.1944



28.6917, 0.4698, 0.2817

Sweetspot

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



28.6929, 0.3078, 0.5335



61.8271, 0.3124, 0.3835



32.4901, 0.4094, 0.4666



13.6498, 0.3123, 0.3917



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.



28.6929, 0.3078, 0.5335



50.5919, 0.3050, 0.5720



29.1116, 0.2763, 0.4533



8.4330, 0.3127, 0.3522



21.2185, 0.3020, 0.5984



0.5242, 0.3112, 0.5911

Inverse Universe

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



12.9495, 0.3084, 0.1779



19.7790, 0.3061, 0.1577



12.4032, 0.3943, 0.2372



7.6382, 0.3126, 0.3067



7.4585, 0.3029, 0.1442



0.1894, 0.3093, 0.1477

Previews

White Background



This preview shows how the Yxy color 28.6917, 0.3078, 0.5335 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 28.6917, 0.3078, 0.5335 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 28.6917, 0.3078, 0.5335

Background



This preview shows how black text looks on a background with the Yxy color 28.6917, 0.3078, 0.5335.



This preview shows how white text looks on a background with the Yxy color 28.6917, 0.3078, 0.5335.

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

28.6917, 0.3078, 0.5335

Protanopia

28.1712, 0.4200, 0.4617

Deuteranopia

28.1540, 0.4350, 0.4273



Tritanopia

28.4940, 0.2486, 0.3066

Trichromacy



Original Color

28.6917, 0.3078, 0.5335



Protanomaly

27.5515, 0.3717, 0.4926



Deuteranomaly

26.9420, 0.3810, 0.4673



Tritanomaly

28.1486, 0.2719, 0.3870

Monochromacy



Original Color

28.6917, 0.3078, 0.5335



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.1909, 0.3121, 0.4083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6917, 0.3078, 0.5335 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(65, 166, 57)` looks like.

```
.text, #text, p{  
    color:rgb(65, 166, 57)  
}
```

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(65, 166, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 166, 57) }
```

Border

The CSS property to change the border of an element to Yxy 28.6917, 0.3078, 0.5335 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(65, 166, 57) }
```

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

```
.border{ border-color:rgb(65, 166, 57) }
```

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

Here you see how a box with a 4 pixel rgb(65, 166, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 166, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 166, 57);  
box-shadow:4px 4px 4px 4px rgb(65, 166,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6917, 0.3078, 0.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 166, 57) }
```

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

```
.background{ background-color: rgb(65, 166,  
57) }
```

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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