

Converting Colors

$Yxy(29.2917, 0.3097, 0.5326)$

Have a look what the booklet for
Yxy(29.2917, 0.3097, 0.5326)
contains.

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Color

Yxy(29.1618, 0.3097, 0.5330)

Conversions

Conversions Part 1

Format	Color
Hex	44A739
RGB	68, 167, 57
RGB Percent	27%, 65%, 22%
CMY	0.7331, 0.3451, 0.7765
CMYK	0.59, 0.00, 0.66, 0.35
HSL	114°, 49%, 44%
HSV	114°, 66%, 65%
XYZ	16.9445, 29.1618, 8.6063
YIQ	124.8590, -23.6940, -55.1980

Conversions

Conversions Part 2

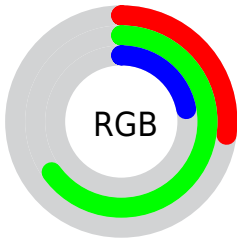
Format	Color
RYB	57, 167, 156
Decimal	4499257
CIELab	60.92, -50.16, 46.80
CIElCh	61, 68.602, 136.989
Yxy	29.1618, 0.3097, 0.5330
Android (android.graphics.Color)	4282689337 (0xFF44A739)
YUV	124.8590, -33.4545, -49.8653
Hunter-Lab	54.0017, -38.4937, 28.3521

Details

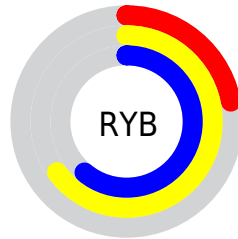
The Yxy color **29.1618, 0.3097, 0.5330** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.7774, 0.3042, 0.1756**, and the grayscale version is **20.5851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3151, 0.3151, 0.4868**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.5497, 0.3077, 0.5604**, and if you desaturate by 10%, it is **29.9696, 0.3113, 0.5010**.

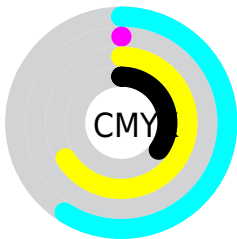
Distribution



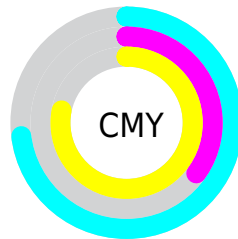
- Red (27%)
- Green (65%)
- Blue (22%)



- Red (22%)
- Yellow (65%)
- Blue (61%)



- Cyan (59%)
- Magenta (0%)
- Yellow (66%)
- Black (35%)





- Cyan (73%)
- Magenta (35%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1618, 0.3097, 0.5330 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 29.1618, 0.3097, 0.5330 by changing the saturation by 10% instead.


 29.1618, 0.3097,
0.5330


 29.1618, 0.3097,
0.5330


297.9776, 0.3182,
0.4159


 19.2033, 0.3037,
0.5667


 58.3341, 0.3153,
0.4869


 11.8172, 0.2928,
0.6118


 78.3166, 0.3165,
0.4706


 6.6194, 0.2744,
0.6789


 102.4092, 0.3173,
0.4573

 3.2252, 0.2339,
0.7661

 130.9963, 0.3178,
0.4462

 1.2504, 0.0000,
1.0000

 164.4623, 0.3181,
0.4368

 0.1023, 0.0000,
1.0000

 203.1916, 0.3182,

 0.0000, 0.0000,

0.4288

0.0000

247.5686, 0.3182,
0.4219

■ 29.1618, 0.3097,
0.5330

■ 29.1618, 0.3097,
0.5330

■ 28.5497, 0.3077,
0.5604

■ 29.9696, 0.3113,
0.5010

■ 28.1132, 0.3055,
0.5811

■ 30.9839, 0.3124,
0.4669

■ 27.8337, 0.3032,
0.5939

■ 32.2190, 0.3130,
0.4328

■ 27.7536, 0.3026,
0.5979

■ 33.6869, 0.3133,
0.4002

■ 35.3989, 0.3132,
0.3703

■ 37.3653, 0.3130,
0.3433

■ 39.5959, 0.3125,
0.3195

■ 42.1001, 0.3120,
0.2987

■ 44.8867, 0.3114,
0.2806

Harmonies

Analogous

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



29.1618, 0.4087, 0.5185



29.1618, 0.3097, 0.5330



29.1618, 0.2165, 0.4475

Triad

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



29.1618, 0.3097, 0.5330



29.1618, 0.1490, 0.1809



29.1618, 0.4951, 0.3031

Complementary

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



29.1618, 0.3097, 0.5330



12.7774, 0.3042, 0.1756

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.



29.1618, 0.3960, 0.2401



29.1618, 0.3097, 0.5330



29.1618, 0.1965, 0.1733

Square

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



29.1618, 0.3097, 0.5330



29.1618, 0.1352, 0.2246



29.1618, 0.2818, 0.1943



29.1618, 0.5282, 0.3740

Rectangle

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



29.1618, 0.3097, 0.5330



29.1618, 0.1713, 0.3591



29.1618, 0.2818, 0.1943



29.1618, 0.4675, 0.2809

Sweetspot

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



29.1630, 0.3097, 0.5330



61.9663, 0.3133, 0.3834



31.6760, 0.4129, 0.4629



13.6837, 0.3133, 0.3915



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.



29.1630, 0.3097, 0.5330



50.7387, 0.3067, 0.5708



29.4102, 0.2786, 0.4612



8.4425, 0.3131, 0.3522



21.2490, 0.3029, 0.5977



0.5278, 0.3152, 0.5879

Inverse Universe

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



12.7774, 0.3042, 0.1756



19.1273, 0.3008, 0.1549



12.6179, 0.3878, 0.2320



7.6277, 0.3122, 0.3066



7.1233, 0.2962, 0.1405



0.1839, 0.3049, 0.1453

Previews

White Background



This preview shows how the Yxy color 29.1618, 0.3097, 0.5330 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 29.1618, 0.3097, 0.5330 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 29.1618, 0.3097, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 29.1618, 0.3097, 0.5330.



This preview shows how white text looks on a background with the Yxy color 29.1618, 0.3097, 0.5330.

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

29.1618, 0.3097, 0.5330

Protanopia

28.5833, 0.4201, 0.4622

Deuteranopia

28.6823, 0.4362, 0.4274



Tritanopia

28.9687, 0.2496, 0.3068

Trichromacy



Original Color

29.1618, 0.3097, 0.5330



Protanomaly

27.9574, 0.3721, 0.4930



Deuteranomaly

27.4292, 0.3826, 0.4673



Tritanomaly

28.5849, 0.2735, 0.3885

Monochromacy



Original Color

29.1618, 0.3097, 0.5330



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.6193, 0.3132, 0.4075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1618, 0.3097, 0.5330 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(68, 167, 57)` looks like.

```
.text, #text, p{  
    color:rgb(68, 167, 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(68, 167, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 167, 57) }
```

Border

The CSS property to change the border of an element to Yxy 29.1618, 0.3097, 0.5330 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(68, 167, 57) }
```

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

```
.border{ border-color:rgb(68, 167, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 167, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 167, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 167, 57);  
box-shadow:4px 4px 4px 4px rgb(68, 167,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1618, 0.3097, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 167, 57) }
```

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

```
.background{ background-color: rgb(68, 167,  
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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