

Converting Colors

$Yxy(28.9051, 0.3091, 0.5216)$

Have a look what the booklet for
Yxy(28.9051, 0.3091, 0.5216)
contains.

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Color

Yxy(29.0090, 0.3094, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	48A63F
RGB	72, 166, 63
RGB Percent	28%, 65%, 25%
CMY	0.7177, 0.3490, 0.7530
CMYK	0.57, 0.00, 0.62, 0.35
HSL	115°, 45%, 45%
HSV	115°, 62%, 65%
XYZ	17.2041, 29.0090, 9.3916
YIQ	126.1520, -22.9610, -51.9610

Conversions

Conversions Part 2

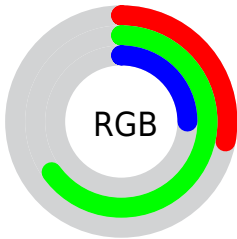
Format	Color
RYB	63, 166, 157
Decimal	4761151
CIELab	60.79, -48.15, 44.03
CIELCh	61, 65.248, 137.562
Yxy	29.0090, 0.3094, 0.5217
Android (android.graphics.Color)	4282951231 (0xFF48A63F)
YUV	126.1520, -31.1339, -47.4913
Hunter-Lab	53.8600, -37.2380, 27.3635

Details

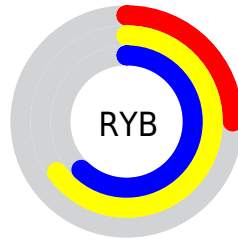
The Yxy color **29.0090, 0.3094, 0.5217** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.4749, 0.3069, 0.1833**, and the grayscale version is **21.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1246, 0.3146, 0.4785**, and **11.8234, 0.2983, 0.5941** is the 20% darker color. If you saturate the color by 10%, you get **28.3397, 0.3076, 0.5512**, and if you desaturate by 10%, it is **29.8801, 0.3108, 0.4885**.

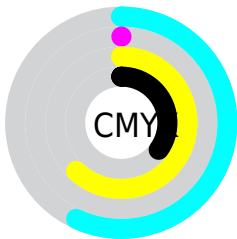
Distribution



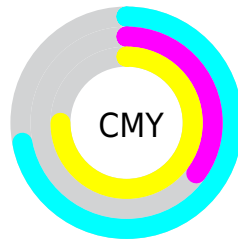
- Red (28%)
- Green (65%)
- Blue (25%)



- Red (25%)
- Yellow (65%)
- Blue (62%)



- Cyan (57%)
- Magenta (0%)
- Yellow (62%)
- Black (35%)



- Cyan (72%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0090, 0.3094, 0.5217 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 29.0090, 0.3094, 0.5217 by changing the saturation by 10% instead.


 29.0090, 0.3094,
0.5217


 29.0090, 0.3094,
0.5217


297.2574, 0.3173,
0.4110

 19.0876, 0.3040,
0.5539


 58.0914, 0.3144,
0.4779


 11.7336, 0.2943,
0.5973


 78.0212, 0.3156,
0.4626

 6.5626, 0.2766,
0.6597


 102.0559, 0.3163,
0.4500

 3.1901, 0.2430,
0.7570

 130.5800, 0.3168,
0.4395

 1.2318, 0.0000,
1.0000

 163.9778, 0.3170,
0.4307

 0.0874, 0.0000,
1.0000

202.6337, 0.3172,

 0.0000, 0.0000,

0.4231

0.0000

246.9321, 0.3172,
0.4166

■ 29.0090, 0.3094,
0.5217

■ 29.0090, 0.3094,
0.5217

■ 28.3397, 0.3076,
0.5512

■ 29.8801, 0.3108,
0.4885

■ 27.8528, 0.3055,
0.5746

■ 30.9637, 0.3119,
0.4540

■ 27.5308, 0.3034,
0.5903

■ 32.2738, 0.3125,
0.4203

■ 27.3721, 0.3022,
0.5983

■ 33.8223, 0.3128,
0.3885

■ 35.6203, 0.3129,
0.3597

■ 37.6782, 0.3128,
0.3339

■ 40.0056, 0.3125,
0.3113

■ 42.6119, 0.3121,
0.2916

■ 45.5059, 0.3117,
0.2745

Harmonies

Analogous

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



29.0090, 0.4049, 0.5120



29.0090, 0.3094, 0.5217



29.0090, 0.2197, 0.4390

Triad

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



29.0090, 0.3094, 0.5217



29.0090, 0.1553, 0.1861



29.0090, 0.4880, 0.3063

Complementary

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



29.0090, 0.3094, 0.5217



13.4749, 0.3069, 0.1833

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.



29.0090, 0.3945, 0.2448



29.0090, 0.3094, 0.5217



29.0090, 0.2023, 0.1790

Square

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



29.0090, 0.3094, 0.5217



29.0090, 0.1414, 0.2283



29.0090, 0.2854, 0.1998



29.0090, 0.5191, 0.3755

Rectangle

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



29.0090, 0.3094, 0.5217



29.0090, 0.1762, 0.3559



29.0090, 0.2854, 0.1998



29.0090, 0.4620, 0.2846

Sweetspot

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



29.0102, 0.3094, 0.5217



62.2177, 0.3129, 0.3804



32.1439, 0.4065, 0.4591



13.7320, 0.3128, 0.3887



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.



29.0102, 0.3094, 0.5217



51.1016, 0.3069, 0.5597



29.3341, 0.2783, 0.4487



8.4379, 0.3129, 0.3522



21.2334, 0.3025, 0.5980



0.5260, 0.3133, 0.5895

Inverse Universe

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



13.4749, 0.3069, 0.1833



20.5197, 0.3044, 0.1623



13.1358, 0.3848, 0.2385



7.6328, 0.3124, 0.3067



7.2843, 0.2994, 0.1423



0.1866, 0.3070, 0.1465

Previews

White Background



This preview shows how the Yxy color 29.0090, 0.3094, 0.5217 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 29.0090, 0.3094, 0.5217 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 29.0090, 0.3094, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 29.0090, 0.3094, 0.5217.



This preview shows how white text looks on a background with the Yxy color 29.0090, 0.3094, 0.5217.

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

29.0090, 0.3094, 0.5217

Protanopia

28.5346, 0.4149, 0.4568

Deuteranopia

28.5039, 0.4297, 0.4229



Tritanopia

29.0370, 0.2516, 0.3085

Trichromacy



Original Color

29.0090, 0.3094, 0.5217



Protanomaly

27.7654, 0.3701, 0.4839



Deuteranomaly

27.4877, 0.3788, 0.4606



Tritanomaly

28.7796, 0.2741, 0.3842

Monochromacy



Original Color

29.0090, 0.3094, 0.5217



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.0932, 0.3124, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0090, 0.3094, 0.5217 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(72, 166, 63)` looks like.

```
.text, #text, p{  
    color:rgb(72, 166, 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(72, 166, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 166, 63) }
```

Border

The CSS property to change the border of an element to Yxy 29.0090, 0.3094, 0.5217 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(72, 166, 63) }
```

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

```
.border{ border-color:rgb(72, 166, 63) }
```

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

Here you see how a box with a 4 pixel rgb(72, 166, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 166, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 166, 63);  
box-shadow:4px 4px 4px 4px rgb(72, 166,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0090, 0.3094, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 166, 63) }
```

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

```
.background{ background-color: rgb(72, 166,  
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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