

Converting Colors

$Yxy(29.9093, 0.3142, 0.5257)$

Have a look what the booklet for
Yxy(29.9093, 0.3142, 0.5257)
contains.

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Color

Yxy(29.9093, 0.3142, 0.5257)

Conversions

Conversions Part 1

Format	Color
Hex	4DA83C
RGB	77, 168, 60
RGB Percent	30%, 66%, 24%
CMY	0.6982, 0.3411, 0.7646
CMYK	0.54, 0.00, 0.64, 0.34
HSL	111°, 47%, 45%
HSV	111°, 64%, 66%
XYZ	17.8762, 29.9093, 9.1088
YIQ	128.4790, -19.5680, -52.8800

Conversions

Conversions Part 2

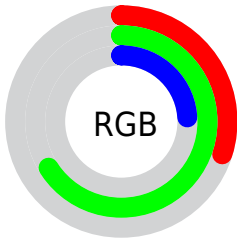
Format	Color
RYB	60, 168, 151
Decimal	5089340
CIELab	61.58, -47.91, 46.28
CIELCh	62, 66.611, 135.989
Yxy	29.9093, 0.3142, 0.5257
Android (android.graphics.Color)	4283279420 (0xFF4DA83C)
YUV	128.4790, -33.7601, -45.1471
Hunter-Lab	54.6894, -37.3606, 28.4076

Details

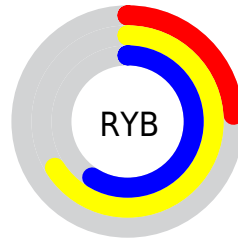
The Yxy color **29.9093, 0.3142, 0.5257** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.6491, 0.2962, 0.1745**, and the grayscale version is **21.8835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5495, 0.3186, 0.4814**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.2340, 0.3122, 0.5537**, and if you desaturate by 10%, it is **30.7718, 0.3155, 0.4937**.

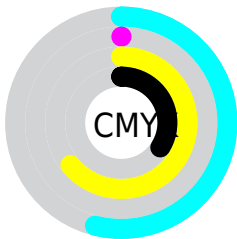
Distribution



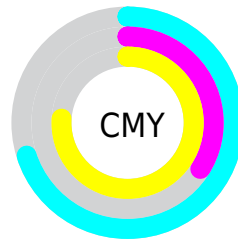
- Red (30%)
- Green (66%)
- Blue (24%)



- Red (24%)
- Yellow (66%)
- Blue (59%)



- Cyan (54%)
- Magenta (0%)
- Yellow (64%)
- Black (34%)




- Cyan (70%)
- Magenta (34%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9093, 0.3142, 0.5257 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 29.9093, 0.3142, 0.5257 by changing the saturation by 10% instead.

 29.9093, 0.3142,
0.5257


 29.9093, 0.3142,
0.5257


301.4815, 0.3199,
0.4135


 19.7698, 0.3092,
0.5578


 59.5187, 0.3185,
0.4817

 12.2278, 0.3000,
0.6006


 79.7574, 0.3194,
0.4661

 6.8990, 0.2832,
0.6620


 104.1312, 0.3199,
0.4533

 3.3990, 0.2492,
0.7508

 133.0246, 0.3201,
0.4427

 1.3434, 0.0349,
0.9651

 166.8219, 0.3201,
0.4337

 0.1745, 0.0000,
1.0000

 205.9075, 0.3201,

 0.0000, 0.0000,

0.4260

0.0000

250.6659, 0.3200,
0.4193

■ 29.9093, 0.3142,
0.5257

■ 29.9093, 0.3142,
0.5257

■ 29.2340, 0.3122,
0.5537

■ 30.7718, 0.3155,
0.4937

■ 28.7283, 0.3095,
0.5757

■ 31.8304, 0.3160,
0.4600

■ 28.3772, 0.3064,
0.5901

■ 33.0975, 0.3160,
0.4266

■ 28.2324, 0.3049,
0.5961

■ 34.5838, 0.3154,
0.3949

■ 36.2990, 0.3144,
0.3657

■ 38.2522, 0.3133,
0.3393

■ 40.4523, 0.3120,
0.3160

■ 42.9074, 0.3106,
0.2955

■ 45.6253, 0.3092,
0.2776

Harmonies

Analogous

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



29.9093, 0.4101, 0.5111



29.9093, 0.3142, 0.5257



29.9093, 0.2228, 0.4465

Triad

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



29.9093, 0.3142, 0.5257



29.9093, 0.1525, 0.1861



29.9093, 0.4861, 0.3024

Complementary

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



29.9093, 0.3142, 0.5257



12.6491, 0.2962, 0.1745

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.



29.9093, 0.3894, 0.2411



29.9093, 0.3142, 0.5257



29.9093, 0.1979, 0.1774

Square

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



29.9093, 0.3142, 0.5257



29.9093, 0.1402, 0.2306



29.9093, 0.2798, 0.1970



29.9093, 0.5213, 0.3717

Rectangle

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



29.9093, 0.3142, 0.5257



29.9093, 0.1777, 0.3626



29.9093, 0.2798, 0.1970



29.9093, 0.4589, 0.2807

Sweetspot

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



29.9106, 0.3142, 0.5257



64.2299, 0.3149, 0.3801



30.4685, 0.4158, 0.4545



13.8168, 0.3152, 0.3883



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.



29.9106, 0.3142, 0.5257



52.6276, 0.3111, 0.5636



29.8147, 0.2824, 0.4682



8.4621, 0.3139, 0.3522



21.3327, 0.3053, 0.5958



0.5352, 0.3231, 0.5816

Inverse Universe

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



12.6491, 0.2962, 0.1745



18.7649, 0.2906, 0.1518



13.2263, 0.3756, 0.2265



7.6062, 0.3114, 0.3066



6.4739, 0.2823, 0.1329



0.1730, 0.2959, 0.1404

Previews

White Background



This preview shows how the Yxy color 29.9093, 0.3142, 0.5257 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 29.9093, 0.3142, 0.5257 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 29.9093, 0.3142, 0.5257

Background



This preview shows how black text looks on a background with the Yxy color 29.9093, 0.3142, 0.5257.



This preview shows how white text looks on a background with the Yxy color 29.9093, 0.3142, 0.5257.

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

29.9093, 0.3142, 0.5257

Protanopia

29.4455, 0.4185, 0.4602

Deuteranopia

29.5467, 0.4340, 0.4256



Tritanopia

29.6689, 0.2532, 0.3071

Trichromacy



Original Color

29.9093, 0.3142, 0.5257



Protanomaly

28.7148, 0.3751, 0.4872



Deuteranomaly

28.4559, 0.3835, 0.4634



Tritanomaly

29.3256, 0.2772, 0.3854

Monochromacy



Original Color

29.9093, 0.3142, 0.5257



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.8754, 0.3153, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9093, 0.3142, 0.5257 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(77, 168, 60)` looks like.

```
.text, #text, p{  
    color:rgb(77, 168, 60)  
}
```

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(77, 168, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 168, 60) }
```

Border

The CSS property to change the border of an element to Yxy 29.9093, 0.3142, 0.5257 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(77, 168, 60) }
```

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

```
.border{ border-color:rgb(77, 168, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 168, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 168, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 168, 60);  
box-shadow:4px 4px 4px 4px rgb(77, 168,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9093, 0.3142, 0.5257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 168, 60) }
```

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

```
.background{ background-color: rgb(77, 168,  
60) }
```

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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