

Converting Colors

$Y_{xy}(29.9419, 0.3127, 0.5213)$

Have a look what the booklet for
Yxy(29.9419, 0.3127, 0.5213)
contains.

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Color

Yxy(29.9419, 0.3127, 0.5213)

Conversions

Conversions Part 1

Format	Color
Hex	4DA83F
RGB	77, 168, 63
RGB Percent	30%, 66%, 25%
CMY	0.6980, 0.3412, 0.7530
CMYK	0.54, 0.00, 0.63, 0.34
HSL	112°, 45%, 45%
HSV	112°, 63%, 66%
XYZ	17.9605, 29.9419, 9.5345
YIQ	128.8210, -20.5310, -51.9470

Conversions

Conversions Part 2

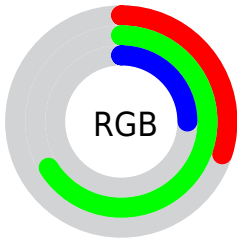
Format	Color
RYB	63, 168, 154
Decimal	5089343
CIELab	61.60, -47.58, 44.99
CIElCh	62, 65.479, 136.604
Yxy	29.9419, 0.3127, 0.5213
Android (android.graphics.Color)	4283279423 (0xFF4DA83F)
YUV	128.8210, -32.4498, -45.4470
Hunter-Lab	54.7192, -37.1693, 27.9725

Details

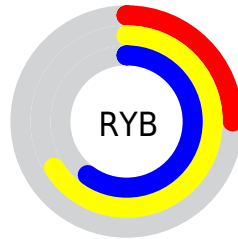
The Yxy color **29.9419, 0.3127, 0.5213** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.2516, 0.3002, 0.1794**, and the grayscale version is **22.0090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6174, 0.3171, 0.4776**, and **12.2724, 0.2987, 0.5952** is the 20% darker color. If you saturate the color by 10%, you get **29.2437, 0.3108, 0.5503**, and if you desaturate by 10%, it is **30.8355, 0.3140, 0.4886**.

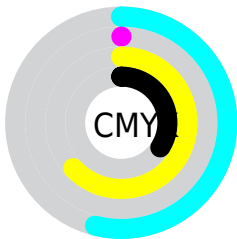
Distribution



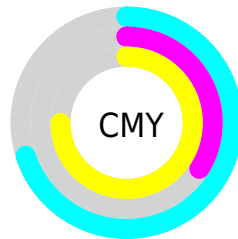
- Red (30%)
- Green (66%)
- Blue (25%)



- Red (25%)
- Yellow (66%)
- Blue (60%)



- Cyan (54%)
- Magenta (0%)
- Yellow (63%)
- Black (34%)





- Cyan (70%)
- Magenta (34%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9419, 0.3127, 0.5213 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 29.9419, 0.3127, 0.5213 by changing the saturation by 10% instead.


 29.9419, 0.3127,
0.5213


 29.9419, 0.3127,
0.5213


301.6335, 0.3188,
0.4115


 19.7945, 0.3078,
0.5528


 59.5703, 0.3171,
0.4782

 12.2457, 0.2988,
0.5951


 79.8201, 0.3180,
0.4629


 6.9113, 0.2821,
0.6549


 104.2061, 0.3185,
0.4504

 3.4067, 0.2510,
0.7490

 133.1127, 0.3188,
0.4400

 1.3476, 0.0423,
0.9577

 166.9244, 0.3189,
0.4312

 0.1776, 0.0000,
1.0000

206.0255, 0.3189,

 0.0000, 0.0000,

0.4237

0.0000

250.8004, 0.3189,
0.4172

■ 29.9419, 0.3127,
0.5213

■ 29.9419, 0.3127,
0.5213

■ 29.2437, 0.3108,
0.5503

■ 30.8355, 0.3140,
0.4886

■ 28.7226, 0.3083,
0.5735

■ 31.9336, 0.3146,
0.4546

■ 28.3631, 0.3056,
0.5892

■ 33.2496, 0.3147,
0.4212

■ 28.1816, 0.3038,
0.5970

■ 34.7943, 0.3144,
0.3897

■ 36.5780, 0.3138,
0.3608

■ 38.6103, 0.3129,
0.3350

■ 40.9002, 0.3120,
0.3122

■ 43.4563, 0.3109,
0.2922

■ 46.2869, 0.3099,
0.2748

Harmonies

Analogous

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



29.9419, 0.4074, 0.5095



29.9419, 0.3127, 0.5213



29.9419, 0.2228, 0.4419

Triad

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



29.9419, 0.3127, 0.5213



29.9419, 0.1552, 0.1877



29.9419, 0.4846, 0.3044

Complementary

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



29.9419, 0.3127, 0.5213



13.2516, 0.3002, 0.1794

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.



29.9419, 0.3905, 0.2435



29.9419, 0.3127, 0.5213



29.9419, 0.2009, 0.1795

Square

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



29.9419, 0.3127, 0.5213



29.9419, 0.1424, 0.2310



29.9419, 0.2825, 0.1994



29.9419, 0.5180, 0.3732

Rectangle

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



29.9419, 0.3127, 0.5213



29.9419, 0.1787, 0.3597



29.9419, 0.2825, 0.1994



29.9419, 0.4582, 0.2829

Sweetspot

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



29.9432, 0.3127, 0.5213



64.1101, 0.3142, 0.3802



31.2224, 0.4117, 0.4540



13.7880, 0.3144, 0.3884



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.



29.9432, 0.3127, 0.5213



52.6619, 0.3099, 0.5601



29.9783, 0.2816, 0.4603



8.4539, 0.3135, 0.3522



21.2944, 0.3042, 0.5967



0.5321, 0.3199, 0.5842

Inverse Universe

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



13.2516, 0.3002, 0.1794



19.7650, 0.2957, 0.1567



13.5254, 0.3763, 0.2309



7.6151, 0.3117, 0.3066



6.7374, 0.2880, 0.1360



0.1775, 0.2996, 0.1424

Previews

White Background



This preview shows how the Yxy color 29.9419, 0.3127, 0.5213 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 29.9419, 0.3127, 0.5213 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 29.9419, 0.3127, 0.5213

Background



This preview shows how black text looks on a background with the Yxy color 29.9419, 0.3127, 0.5213.



This preview shows how white text looks on a background with the Yxy color 29.9419, 0.3127, 0.5213.

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

29.9419, 0.3127, 0.5213

Protanopia

29.4745, 0.4164, 0.4572

Deuteranopia

29.4498, 0.4312, 0.4239



Tritanopia

29.6689, 0.2532, 0.3071

Trichromacy



Original Color

29.9419, 0.3127, 0.5213

Protanomaly

28.7450, 0.3732, 0.4836

Deuteranomaly

28.4799, 0.3820, 0.4607

Tritanomaly

29.3526, 0.2764, 0.3835

Monochromacy



Original Color

29.9419, 0.3127, 0.5213

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.9798, 0.3145, 0.4011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9419, 0.3127, 0.5213 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(77, 168, 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(77, 168, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 168, 63) }
```

Border

The CSS property to change the border of an element to Yxy 29.9419, 0.3127, 0.5213 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, 63) }
```

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

```
.border{ border-color:rgb(77, 168, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 168, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 168, 63);  
box-shadow:4px 4px 4px 4px rgb(77, 168,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9419, 0.3127, 0.5213 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, 63) }
```

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

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