

Converting Colors

$Yxy(29.0964, 0.3120, 0.5180)$

Have a look what the booklet for
Yxy(29.0964, 0.3120, 0.5180)
contains.

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Color

Yxy(29.1791, 0.3117, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	4CA640
RGB	76, 166, 64
RGB Percent	30%, 65%, 25%
CMY	0.7020, 0.3490, 0.7491
CMYK	0.54, 0.00, 0.61, 0.35
HSL	113°, 44%, 45%
HSV	113°, 61%, 65%
XYZ	17.5412, 29.1791, 9.5557
YIQ	127.4620, -20.8980, -50.8020

Conversions

Conversions Part 2

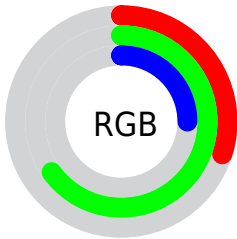
Format	Color
R_{YB}	64, 166, 154
Decimal	5023296
CIE _{Lab}	60.94, -46.96, 43.78
CIE _{LCh}	61, 64.202, 137.012
Yxy	29.1791, 0.3117, 0.5185
Android (android.graphics.Color)	4283213376 (0xFF4CA640)
YUV	127.4620, -31.2868, -45.1322
Hunter-Lab	54.0177, -36.5664, 27.3240

Details

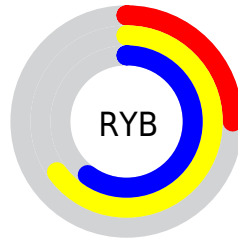
The Yxy color **29.1791, 0.3117, 0.5185** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.2887, 0.3027, 0.1825**, and the grayscale version is **21.5054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3859, 0.3160, 0.4764**, and **11.8278, 0.2978, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **28.4856, 0.3099, 0.5481**, and if you desaturate by 10%, it is **30.0679, 0.3130, 0.4854**.

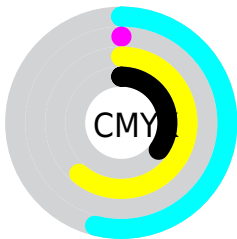
Distribution



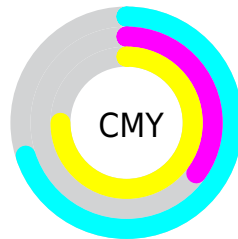
- Red (30%)
- Green (65%)
- Blue (25%)



- Red (25%)
- Yellow (65%)
- Blue (60%)



- Cyan (54%)
- Magenta (0%)
- Yellow (61%)
- Black (35%)





- Cyan (70%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1791, 0.3117, 0.5185 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 29.1791, 0.3117, 0.5185 by changing the saturation by 10% instead.


 29.1791, 0.3117,
0.5185


 29.1791, 0.3117,
0.5185

298.0591, 0.3181,
0.4098

 19.2163, 0.3068,
0.5500


 58.3615, 0.3161,
0.4756

 11.8267, 0.2978,
0.5925


 78.3500, 0.3171,
0.4605


 6.6258, 0.2810,
0.6530


 102.4491, 0.3177,
0.4482

 3.2292, 0.2499,
0.7501

 131.0434, 0.3180,
0.4379

 1.2525, 0.0037,
0.9963

 164.5171, 0.3181,
0.4292

 0.1040, 0.0000,
1.0000

203.2547, 0.3182,

 0.0000, 0.0000,

0.4218

0.0000

247.6405, 0.3182,
0.4154

■ 29.1791, 0.3117,
0.5185

■ 29.1791, 0.3117,
0.5185

■ 28.4856, 0.3099,
0.5481

■ 30.0679, 0.3130,
0.4854

■ 27.9691, 0.3076,
0.5720

■ 31.1613, 0.3137,
0.4513

■ 27.6143, 0.3050,
0.5885

■ 32.4725, 0.3140,
0.4179

■ 27.4181, 0.3032,
0.5974

■ 34.0124, 0.3138,
0.3865

■ 35.7913, 0.3134,
0.3580

■ 37.8188, 0.3128,
0.3325

■ 40.1039, 0.3121,
0.3100

■ 42.6553, 0.3113,
0.2904

■ 45.4812, 0.3104,
0.2733

Harmonies

Analogous

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



29.1791, 0.4057, 0.5085



29.1791, 0.3117, 0.5185



29.1791, 0.2228, 0.4389

Triad

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



29.1791, 0.3117, 0.5185



29.1791, 0.1569, 0.1886



29.1791, 0.4837, 0.3057

Complementary

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



29.1791, 0.3117, 0.5185



13.2887, 0.3027, 0.1825

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.



29.1791, 0.3912, 0.2451



29.1791, 0.3117, 0.5185



29.1791, 0.2028, 0.1809

Square

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



29.1791, 0.3117, 0.5185



29.1791, 0.1437, 0.2312



29.1791, 0.2842, 0.2010



29.1791, 0.5159, 0.3742

Rectangle

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



29.1791, 0.3117, 0.5185



29.1791, 0.1793, 0.3578



29.1791, 0.2842, 0.2010



29.1791, 0.4578, 0.2843

Sweetspot

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



29.1803, 0.3117, 0.5185



62.6855, 0.3137, 0.3773



31.0648, 0.4087, 0.4543



13.8334, 0.3138, 0.3856



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.



29.1803, 0.3117, 0.5185



51.2910, 0.3090, 0.5583



29.3110, 0.2807, 0.4541



8.4485, 0.3133, 0.3522



21.2714, 0.3036, 0.5972



0.5300, 0.3177, 0.5860

Inverse Universe

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



13.2887, 0.3027, 0.1825



19.8485, 0.2989, 0.1596



13.3471, 0.3777, 0.2345



7.6212, 0.3120, 0.3066



6.9201, 0.2919, 0.1382



0.1805, 0.3022, 0.1438

Previews

White Background



This preview shows how the Yxy color 29.1791, 0.3117, 0.5185 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 29.1791, 0.3117, 0.5185 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 29.1791, 0.3117, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 29.1791, 0.3117, 0.5185.



This preview shows how white text looks on a background with the Yxy color 29.1791, 0.3117, 0.5185.

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

29.1791, 0.3117, 0.5185

Protanopia

28.6498, 0.4153, 0.4551

Deuteranopia

28.6364, 0.4299, 0.4213



Tritanopia

29.2008, 0.2536, 0.3086

Trichromacy



Original Color

29.1791, 0.3117, 0.5185

Protanomaly

27.9340, 0.3716, 0.4814

Deuteranomaly

27.6753, 0.3803, 0.4581

Tritanomaly

28.9270, 0.2763, 0.3839

Monochromacy



Original Color

29.1791, 0.3117, 0.5185

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.2374, 0.3136, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1791, 0.3117, 0.5185 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(76, 166, 64)` looks like.

```
.text, #text, p{  
    color:rgb(76, 166, 64)  
}
```

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(76, 166, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 166, 64) }
```

Border

The CSS property to change the border of an element to Yxy 29.1791, 0.3117, 0.5185 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(76, 166, 64) }
```

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

```
.border{ border-color:rgb(76, 166, 64) }
```

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

Here you see how a box with a 4 pixel rgb(76, 166, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 166, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 166, 64);  
box-shadow:4px 4px 4px 4px rgb(76, 166,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1791, 0.3117, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 166, 64) }
```

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

```
.background{ background-color: rgb(76, 166,  
64) }
```

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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