

Converting Colors

$Yxy(29.6484, 0.2744, 0.5007)$

Have a look what the booklet for
Yxy(29.6484, 0.2744, 0.5007)
contains.

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Color

Yxy(29.4829, 0.2745, 0.5009)

Conversions

Conversions Part 1

Format	Color
Hex	0EAA54
RGB	14, 170, 84
RGB Percent	5%, 67%, 33%
CMY	0.9444, 0.3333, 0.6707
CMYK	0.92, 0.00, 0.51, 0.33
HSL	147°, 85%, 36%
HSV	147°, 92%, 67%
XYZ	16.1570, 29.4829, 13.2199
YIQ	113.5520, -65.3700, -59.8180

Conversions

Conversions Part 2

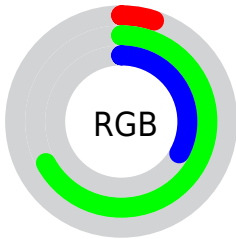
Format	Color
RYB	14, 122, 170
Decimal	961108
CIELab	61.21, -55.80, 34.08
CIElCh	61, 65.387, 148.589
Yxy	29.4829, 0.2745, 0.5009
Android (android.graphics.Color)	4279151188 (0xFF0EAA54)
YUV	113.5520, -14.5691, -87.3071
Hunter-Lab	54.2982, -41.9071, 23.5734

Details

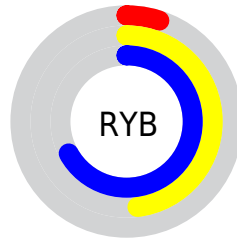
The Yxy color **29.4829, 0.2745, 0.5009** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.7892, 0.4553, 0.2340**, and the grayscale version is **16.7610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5749, 0.2853, 0.4606**, and **12.6121, 0.2867, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **29.2734, 0.2769, 0.5168**, and if you desaturate by 10%, it is **29.8404, 0.2728, 0.4807**.

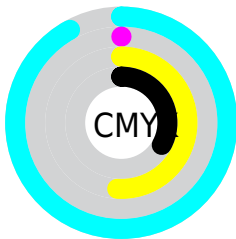
Distribution



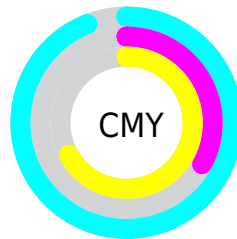
- Red (5%)
- Green (67%)
- Blue (33%)



- Red (5%)
- Yellow (48%)
- Blue (67%)



- Cyan (92%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)





- Cyan (94%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4829, 0.2745, 0.5009 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 29.4829, 0.2745, 0.5009 by changing the saturation by 10% instead.


 29.4829, 0.2745,
0.5009


 29.4829, 0.2745,
0.5009


299.4866, 0.2994,
0.4011


 19.4464, 0.2656,
0.5310


 58.8434, 0.2853,
0.4609


 11.9933, 0.2522,
0.5729


 78.9363, 0.2888,
0.4471


 6.7391, 0.2304,
0.6340


 103.1501, 0.2916,
0.4358

 3.2995, 0.2002,
0.7598

 131.8692, 0.2937,
0.4265

 1.2900, 0.0000,
1.0000

 165.4780, 0.2955,
0.4186

 0.1335, 0.0000,
1.0000

 204.3609, 0.2970,

 0.0000, 0.0000,

0.4119

0.0000

248.9023, 0.2983,
0.4062

■ 29.4829, 0.2745,
0.5009

■ 29.4829, 0.2745,
0.5009

■ 29.2734, 0.2769,
0.5168

■ 29.8404, 0.2728,
0.4807

■ 30.3565, 0.2730,
0.4595

■ 31.0523, 0.2751,
0.4381

■ 31.9447, 0.2788,
0.4171

■ 33.0484, 0.2838,
0.3970

■ 34.3769, 0.2899,
0.3782

■ 35.9423, 0.2968,
0.3609

■ 37.7559, 0.3040,
0.3452

■ 39.8284, 0.3115,
0.3312

Harmonies

Analogous

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



29.4829, 0.3706, 0.5244



29.4829, 0.2745, 0.5009



29.4829, 0.1939, 0.3932

Triad

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



29.4829, 0.2745, 0.5009



29.4829, 0.1689, 0.1803



29.4829, 0.5074, 0.3312

Complementary

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



29.4829, 0.2745, 0.5009



9.7892, 0.4553, 0.2340

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.



29.4829, 0.4333, 0.2662



29.4829, 0.2745, 0.5009



29.4829, 0.2289, 0.1839

Square

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



29.4829, 0.2745, 0.5009



29.4829, 0.1432, 0.2083



29.4829, 0.3240, 0.2141



29.4829, 0.5121, 0.4021

Rectangle

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



29.4829, 0.2745, 0.5009



29.4829, 0.1602, 0.3128



29.4829, 0.3240, 0.2141



29.4829, 0.4897, 0.3087

Sweetspot

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



29.4841, 0.2745, 0.5009



63.5036, 0.2927, 0.3708



31.6347, 0.3501, 0.5540



13.9605, 0.2905, 0.3766



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.4841, 0.2745, 0.5009



53.0707, 0.2778, 0.5200



31.3690, 0.2312, 0.3475



8.4615, 0.3058, 0.3417



21.5447, 0.2763, 0.5148



0.5346, 0.2580, 0.4487

Inverse Universe

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



9.7892, 0.4553, 0.2340



16.9232, 0.4762, 0.2397



8.9334, 0.6133, 0.3240



7.6090, 0.3203, 0.3166



6.8906, 0.4707, 0.2366



0.1777, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 29.4829, 0.2745, 0.5009 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 29.4829, 0.2745, 0.5009 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 29.4829, 0.2745, 0.5009

Background



This preview shows how black text looks on a background with the Yxy color 29.4829, 0.2745, 0.5009.



This preview shows how white text looks on a background with the Yxy color 29.4829, 0.2745, 0.5009.

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

29.4829, 0.2745, 0.5009

Protanopia

29.0706, 0.3991, 0.4355

Deuteranopia

28.8760, 0.4063, 0.3985



Tritanopia

29.3170, 0.2337, 0.3064

Trichromacy



Original Color

29.4829, 0.2745, 0.5009



Protanomaly

27.1953, 0.3322, 0.4678



Deuteranomaly

26.7060, 0.3358, 0.4408



Tritanomaly

29.0783, 0.2465, 0.3722

Monochromacy



Original Color

29.4829, 0.2745, 0.5009



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.6492, 0.2843, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4829, 0.2745, 0.5009 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(14, 170, 84)` looks like.

```
.text, #text, p{  
    color:rgb(14, 170, 84)  
}
```

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(14, 170, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 170, 84) }
```

Border

The CSS property to change the border of an element to Yxy 29.4829, 0.2745, 0.5009 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(14, 170, 84) }
```

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

```
.border{ border-color:rgb(14, 170, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 170, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 170, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 170, 84);  
box-shadow:4px 4px 4px 4px rgb(14, 170,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4829, 0.2745, 0.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 170, 84) }
```

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

```
.background{ background-color: rgb(14, 170,  
84) }
```

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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