

# Converting Colors

$Y_{xy}(29.6049, 0.2986, 0.5768)$

Have a look what the booklet for  
Yxy(29.6049, 0.2986, 0.5768)  
contains.

<b>Yxy(29.4480, 0.2985, 0.5763)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(29.4480, 0.2985, 0.5763)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19AB22
RGB	25, 171, 34
RGB Percent	10%, 67%, 13%
CMY	0.9020, 0.3294, 0.8664
CMYK	0.85, 0.00, 0.80, 0.33
HSL	124°, 75%, 38%
HSV	124°, 85%, 67%
XYZ	15.2529, 29.4480, 6.3975
YIQ	111.7280, -43.0390, -73.5590

# Conversions

## Conversions Part 2

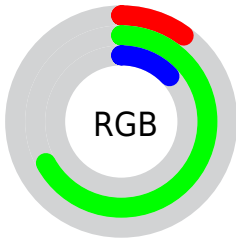
<b>Format</b>	<b>Color</b>
<b>RYB</b>	25, 163, 171
Decimal	1682210
CIELab	61.17, -60.94, 55.31
CIELCh	61, 82.296, 137.774
Yxy	29.4480, 0.2985, 0.5763
Android (android.graphics.Color)	4279872290 (0xFF19AB22)
YUV	111.7280, -38.3199, -76.0605
Hunter-Lab	54.2660, -44.7935, 30.9964

# Details

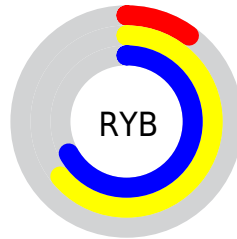
The Yxy color **29.4480, 0.2985, 0.5763** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.9589, 0.3340, 0.1688**, and the grayscale version is **16.2442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9917, 0.3089, 0.5213**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.2215, 0.2988, 0.5912**, and if you desaturate by 10%, it is **29.8521, 0.2987, 0.5539**.

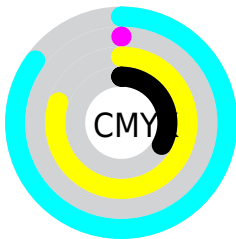
# Distribution



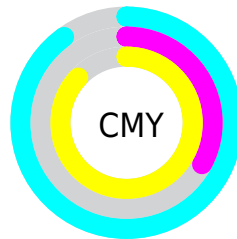
- Red (10%)
- Green (67%)
- Blue (13%)



- Red (10%)
- Yellow (64%)
- Blue (67%)



- Cyan (85%)
- Magenta (0%)
- Yellow (80%)
- Black (33%)




- Cyan (90%)
- Magenta (33%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4480, 0.2985, 0.5763 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 29.4480, 0.2985, 0.5763 by changing the saturation by 10% instead.





 29.4480, 0.2985,  
0.5763


 29.4480, 0.2985,  
0.5763


299.3229, 0.3165,  
0.4341

 19.4200, 0.2882,  
0.6161

 58.7881, 0.3088,  
0.5207

 11.9741, 0.2707,  
0.6678

 78.8690, 0.3115,  
0.5009

 6.7261, 0.2461,  
0.7539


 103.0697, 0.3132,  
0.4847

 3.2914, 0.1837,  
0.8163

 131.7744, 0.3144,  
0.4711

 1.2857, 0.0000,  
1.0000

 165.3678, 0.3153,  
0.4597

 0.1301, 0.0000,  
1.0000

 204.2340, 0.3158,

 0.0000, 0.0000,

0.4499

0.0000

248.7576, 0.3162,  
0.4414

■ 29.4480, 0.2985,  
0.5763

■ 29.4480, 0.2985,  
0.5763

■ 29.2215, 0.2988,  
0.5912

■ 29.8521, 0.2987,  
0.5539

■ 29.1502, 0.2988,  
0.5957

■ 30.4573, 0.2996,  
0.5255

■ 31.2869, 0.3010,  
0.4932

■ 32.3600, 0.3029,  
0.4595

■ 33.6937, 0.3050,  
0.4264

■ 35.3034, 0.3073,  
0.3951

■ 37.2035, 0.3095,  
0.3667

■ 39.4074, 0.3116,  
0.3414

■ 41.9275, 0.3136,  
0.3191

# Harmonies

## Analogous

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



29.4480, 0.4111, 0.5475



29.4480, 0.2985, 0.5763



29.4480, 0.1946, 0.4697

# Triad

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



29.4480, 0.2985, 0.5763



29.4480, 0.1283, 0.1586



29.4480, 0.5314, 0.2964

# Complementary

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



29.4480, 0.2985, 0.5763



11.9589, 0.3340, 0.1688

# 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.



29.4480, 0.4141, 0.2275



29.4480, 0.2985, 0.5763



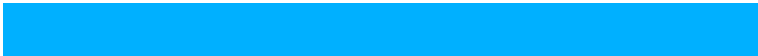
29.4480, 0.1805, 0.1527

# Square

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



29.4480, 0.2985, 0.5763



29.4480, 0.1118, 0.2030



29.4480, 0.2780, 0.1766



29.4480, 0.5624, 0.3730



# Rectangle

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



29.4480, 0.2985, 0.5763



29.4480, 0.1463, 0.3579



29.4480, 0.2780, 0.1766



29.4480, 0.4996, 0.2723

# Sweetspot

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



29.4492, 0.2985, 0.5763



62.8914, 0.3070, 0.3984



37.0579, 0.4078, 0.5039



13.8007, 0.3063, 0.4087



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.



29.4492, 0.2985, 0.5763



52.1940, 0.2991, 0.5968



30.3594, 0.2645, 0.4581



8.9471, 0.3108, 0.3509



21.9771, 0.2986, 0.5950



0.6139, 0.2927, 0.5737



# Inverse Universe

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



11.9589, 0.3340, 0.1688



20.0630, 0.3373, 0.1632



10.1029, 0.4767, 0.2532



8.1394, 0.3147, 0.3080



8.4529, 0.3369, 0.1629

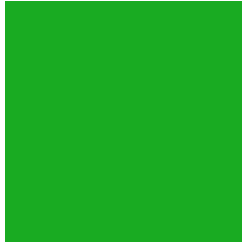


0.2377, 0.3316, 0.1600



# Previews

## White Background



This preview shows how the Yxy color 29.4480, 0.2985, 0.5763 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 29.4480, 0.2985, 0.5763 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

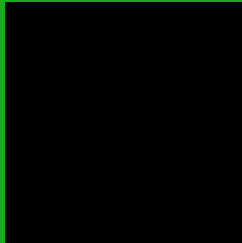
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 29.4480, 0.2985, 0.5763**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.4480, 0.2985, 0.5763.



This preview shows how white text looks on a background with the Yxy color 29.4480, 0.2985, 0.5763.

# 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

29.4480, 0.2985, 0.5763

### Protanopia

28.9506, 0.4330, 0.4792

### Deuteranopia

28.7543, 0.4511, 0.4425



## Tritanopia

29.2307, 0.2377, 0.3065

# Trichromacy



## Original Color

29.4480, 0.2985, 0.5763



## Protanomaly

27.4481, 0.3664, 0.5275



## Deuteranomaly

26.7507, 0.3772, 0.5013



## Tritanomaly

28.4403, 0.2620, 0.4085

# Monochromacy



## Original Color

29.4480, 0.2985, 0.5763



## Achromatopsia

16.2029, 0.3127, 0.3290



## Achromatomaly

19.1206, 0.3036, 0.4366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.4480, 0.2985, 0.5763 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(25, 171, 34)` looks like.

```
.text, #text, p{  
    color:rgb(25, 171, 34)  
}
```

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(25, 171, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 171, 34) }
```

## Border

The CSS property to change the border of an element to Yxy 29.4480, 0.2985, 0.5763 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(25, 171, 34) }
```

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

```
.border{ border-color:rgb(25, 171, 34) }
```

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

Here you see how a box with a 4 pixel rgb(25, 171, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 171, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 171, 34);  
box-shadow:4px 4px 4px 4px rgb(25, 171,  
34) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.4480, 0.2985, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 171, 34) }
```

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

```
.background{ background-color: rgb(25, 171,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor