

Converting Colors

$Y_{xy}(29.1492, 0.3164, 0.5225)$

Have a look what the booklet for
Yxy(29.1492, 0.3164, 0.5225)
contains.

Yxy(29.2609, 0.3161, 0.5232)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.2609, 0.3161, 0.5232)$

Conversions

Conversions Part 1

Format	Color
Hex	4FA63C
RGB	79, 166, 60
RGB Percent	31%, 65%, 24%
CMY	0.6900, 0.3490, 0.7648
CMYK	0.52, 0.00, 0.64, 0.35
HSL	109°, 47%, 44%
HSV	109°, 64%, 65%
XYZ	17.6785, 29.2609, 8.9874
YIQ	127.9030, -17.8260, -51.4100

Conversions

Conversions Part 2

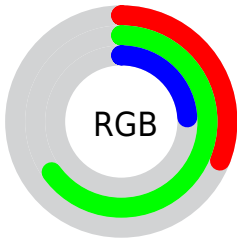
Format	Color
R_{YB}	60, 166, 147
Decimal	5219900
CIE _{Lab}	61.01, -46.53, 45.70
CIE _{LCh}	61, 65.219, 135.519
Yxy	29.2609, 0.3161, 0.5232
Android (android.graphics.Color)	4283409980 (0xFF4FA63C)
YUV	127.9030, -33.4762, -42.8879
Hunter-Lab	54.0933, -36.3271, 28.0145

Details

The Yxy color **29.2609, 0.3161, 0.5232** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.1790, 0.2929, 0.1739**, and the grayscale version is **21.6774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5633, 0.3195, 0.4793**, and **11.8619, 0.3027, 0.5979** is the 20% darker color. If you saturate the color by 10%, you get **28.5877, 0.3141, 0.5513**, and if you desaturate by 10%, it is **30.1112, 0.3172, 0.4914**.

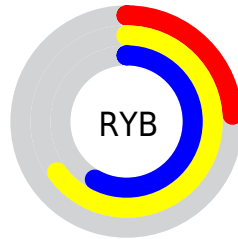
Distribution



Red (31%)

Green (65%)

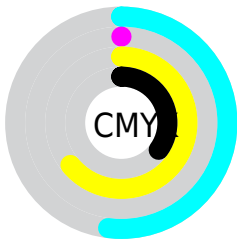
Blue (24%)



Red (24%)

Yellow (65%)

Blue (58%)

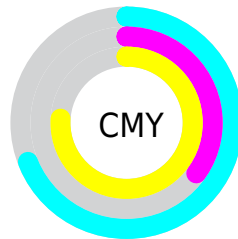


Cyan (52%)

Magenta (0%)

Yellow (64%)

Black (35%)



Cyan (69%)

Magenta (35%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2609, 0.3161, 0.5232 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 29.2609, 0.3161, 0.5232 by changing the saturation by 10% instead.


 29.2609, 0.3161,
0.5232


 29.2609, 0.3161,
0.5232


298.4440, 0.3206,
0.4122

 19.2783, 0.3115,
0.5551

 58.4913, 0.3200,
0.4796


 11.8715, 0.3026,
0.5977


 78.5080, 0.3207,
0.4641


 6.6563, 0.2866,
0.6596


 102.6380, 0.3210,
0.4515

 3.2481, 0.2525,
0.7475

 131.2659, 0.3211,
0.4410

 1.2626, 0.0176,
0.9824

 164.7761, 0.3211,
0.4321

 0.1119, 0.0000,
1.0000

 203.5529, 0.3209,

 0.0000, 0.0000,

0.4245

0.0000

247.9807, 0.3208,
0.4179

■ 29.2609, 0.3161,
0.5232

■ 29.2609, 0.3161,
0.5232

■ 28.5877, 0.3141,
0.5513

■ 30.1112, 0.3172,
0.4914

■ 28.0752, 0.3113,
0.5735

■ 31.1464, 0.3175,
0.4579

■ 27.7102, 0.3079,
0.5885

■ 32.3779, 0.3171,
0.4249

■ 27.5458, 0.3061,
0.5952

■ 33.8156, 0.3162,
0.3934

■ 35.4682, 0.3149,
0.3644

■ 37.3443, 0.3134,
0.3383

■ 39.4519, 0.3117,
0.3151

■ 41.7984, 0.3100,
0.2947

■ 44.3912, 0.3083,
0.2768

Harmonies

Analogous

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



29.2609, 0.4108, 0.5083



29.2609, 0.3161, 0.5232



29.2609, 0.2253, 0.4465

Triad

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



29.2609, 0.3161, 0.5232



29.2609, 0.1537, 0.1881



29.2609, 0.4827, 0.3019

Complementary

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



29.2609, 0.3161, 0.5232



12.1790, 0.2929, 0.1739

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.



29.2609, 0.3867, 0.2413



29.2609, 0.3161, 0.5232



29.2609, 0.1983, 0.1789

Square

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



29.2609, 0.3161, 0.5232



29.2609, 0.1420, 0.2330



29.2609, 0.2788, 0.1979



29.2609, 0.5187, 0.3707

Rectangle

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



29.2609, 0.3161, 0.5232



29.2609, 0.1802, 0.3643



29.2609, 0.2788, 0.1979



29.2609, 0.4555, 0.2804

Sweetspot

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



29.2621, 0.3161, 0.5232



62.6785, 0.3156, 0.3800



29.1641, 0.4168, 0.4518



13.8455, 0.3160, 0.3881



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.



29.2621, 0.3161, 0.5232



51.4257, 0.3129, 0.5623



29.0320, 0.2836, 0.4706



8.4702, 0.3142, 0.3521



21.3761, 0.3065, 0.5948



0.5382, 0.3263, 0.5792

Inverse Universe

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



12.1790, 0.2929, 0.1739



17.7965, 0.2863, 0.1496



13.0137, 0.3719, 0.2247



7.5974, 0.3110, 0.3065



6.2216, 0.2766, 0.1297



0.1686, 0.2922, 0.1383

Previews

White Background



This preview shows how the Yxy color 29.2609, 0.3161, 0.5232 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 29.2609, 0.3161, 0.5232 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 29.2609, 0.3161, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 29.2609, 0.3161, 0.5232.



This preview shows how white text looks on a background with the Yxy color 29.2609, 0.3161, 0.5232.

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

29.2609, 0.3161, 0.5232

Protanopia

28.9203, 0.4172, 0.4604

Deuteranopia

28.7063, 0.4345, 0.4253



Tritanopia

28.9792, 0.2547, 0.3070

Trichromacy



Original Color

29.2609, 0.3161, 0.5232



Protanomaly

28.3023, 0.3747, 0.4868



Deuteranomaly

27.8058, 0.3857, 0.4622



Tritanomaly

28.6566, 0.2783, 0.3840

Monochromacy



Original Color

29.2609, 0.3161, 0.5232



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.6403, 0.3165, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2609, 0.3161, 0.5232 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(79, 166, 60)` looks like.

```
.text, #text, p{  
    color:rgb(79, 166, 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(79, 166, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 166, 60) }
```

Border

The CSS property to change the border of an element to Yxy 29.2609, 0.3161, 0.5232 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(79, 166, 60) }
```

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

```
.border{ border-color:rgb(79, 166, 60) }
```

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

Here you see how a box with a 4 pixel rgb(79, 166, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 166, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 166, 60);  
box-shadow:4px 4px 4px 4px rgb(79, 166,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2609, 0.3161, 0.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 166, 60) }
```

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

```
.background{ background-color: rgb(79, 166,  
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](#).

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