

Converting Colors

$Y_{xy}(29.6175, 0.3225, 0.5359)$

Have a look what the booklet for
Yxy(29.6175, 0.3225, 0.5359)
contains.

Yxy(29.6171, 0.3222, 0.5365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6171, 0.3222, 0.5365)

Conversions

Conversions Part 1

Format	Color
Hex	51A732
RGB	81, 167, 50
RGB Percent	32%, 65%, 20%
CMY	0.6824, 0.3451, 0.8038
CMYK	0.52, 0.00, 0.70, 0.35
HSL	104°, 54%, 43%
HSV	104°, 70%, 65%
XYZ	17.7868, 29.6171, 7.8004
YIQ	127.9480, -13.6990, -54.6190

Conversions

Conversions Part 2

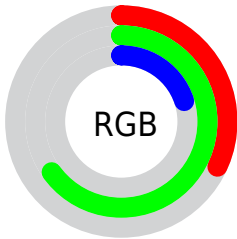
Format	Color
RYB	50, 167, 136
Decimal	5351218
CIELab	61.32, -47.29, 50.25
CIELCh	61, 69.005, 133.263
Yxy	29.6171, 0.3222, 0.5365
Android (android.graphics.Color)	4283541298 (0xFF51A732)
YUV	127.9480, -38.4284, -41.1734
Hunter-Lab	54.4216, -36.8979, 29.5970

Details

The Yxy color **29.6171, 0.3222, 0.5365** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.3141, 0.2762, 0.1558**, and the grayscale version is **21.7066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1579, 0.3259, 0.4903**, and **12.1058, 0.3036, 0.5971** is the 20% darker color. If you saturate the color by 10%, you get **29.0052, 0.3196, 0.5607**, and if you desaturate by 10%, it is **30.3823, 0.3235, 0.5076**.

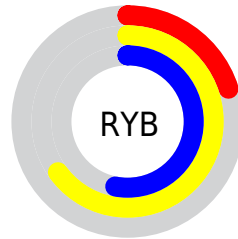
Distribution



Red (32%)

Green (65%)

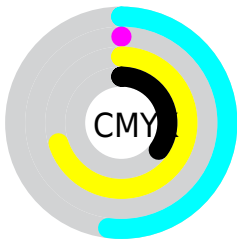
Blue (20%)



Red (20%)

Yellow (65%)

Blue (53%)

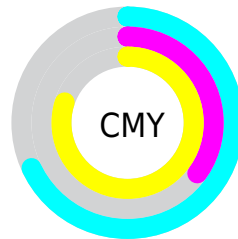


Cyan (52%)

Magenta (0%)

Yellow (70%)

Black (35%)



Cyan (68%)


Magenta (35%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6171, 0.3222, 0.5365 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 29.6171, 0.3222, 0.5365 by changing the saturation by 10% instead.


 29.6171, 0.3222,
0.5365


 29.6171, 0.3222,
0.5365


300.1156, 0.3246,
0.4186


 19.5481, 0.3174,
0.5695


 59.0561, 0.3257,
0.4906


 12.0670, 0.3079,
0.6128


 79.1950, 0.3262,
0.4742


 6.7893, 0.2932,
0.6805


 103.4592, 0.3262,
0.4608

 3.3307, 0.2507,
0.7493

 132.2333, 0.3261,
0.4495

 1.3067, 0.0275,
0.9725

 165.9016, 0.3258,
0.4400

 0.1464, 0.0000,
1.0000

 204.8484, 0.3254,

 0.0000, 0.0000,

0.4319

0.0000

249.4583, 0.3250,
0.4248

■ 29.6171, 0.3222,
0.5365

■ 29.6171, 0.3222,
0.5365

■ 29.0052, 0.3196,
0.5607

■ 30.3823, 0.3235,
0.5076

■ 28.5314, 0.3158,
0.5787

■ 31.3070, 0.3236,
0.4759

■ 28.1789, 0.3117,
0.5907

■ 32.4016, 0.3226,
0.4434

■ 33.6744, 0.3208,
0.4116

■ 35.1333, 0.3184,
0.3816

■ 36.7855, 0.3156,
0.3540

■ 38.6380, 0.3127,
0.3291

■ 40.6974, 0.3098,
0.3069

■ 42.9698, 0.3068,
0.2872

Harmonies

Analogous

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



29.6171, 0.4203, 0.5117



29.6171, 0.3222, 0.5365



29.6171, 0.2267, 0.4628

Triad

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



29.6171, 0.3222, 0.5365



29.6171, 0.1455, 0.1840



29.6171, 0.4858, 0.2947

Complementary

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



29.6171, 0.3222, 0.5365



10.3141, 0.2762, 0.1558

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.



29.6171, 0.3814, 0.2333



29.6171, 0.3222, 0.5365



29.6171, 0.1885, 0.1726

Square

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



29.6171, 0.3222, 0.5365



29.6171, 0.1357, 0.2331



29.6171, 0.2692, 0.1902



29.6171, 0.5284, 0.3648

Rectangle

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



29.6171, 0.3222, 0.5365



29.6171, 0.1782, 0.3756



29.6171, 0.2692, 0.1902



29.6171, 0.4556, 0.2728

Sweetspot

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



29.6184, 0.3222, 0.5365



62.5468, 0.3187, 0.3855



26.0025, 0.4361, 0.4483



13.8374, 0.3194, 0.3933



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.



29.6184, 0.3222, 0.5365



51.4481, 0.3177, 0.5714



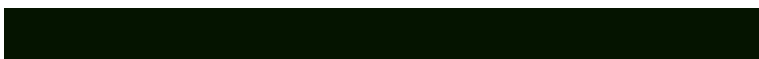
28.8590, 0.2886, 0.5051



8.5001, 0.3154, 0.3521



21.5822, 0.3122, 0.5903



0.5494, 0.3373, 0.5704

Inverse Universe

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



10.3141, 0.2762, 0.1558



14.5697, 0.2653, 0.1317



12.3853, 0.3625, 0.2060



7.5653, 0.3097, 0.3065



5.3721, 0.2559, 0.1184



0.1535, 0.2786, 0.1308

Previews

White Background



This preview shows how the Yxy color 29.6171, 0.3222, 0.5365 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 29.6171, 0.3222, 0.5365 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 29.6171, 0.3222, 0.5365

Background



This preview shows how black text looks on a background with the Yxy color 29.6171, 0.3222, 0.5365.



This preview shows how white text looks on a background with the Yxy color 29.6171, 0.3222, 0.5365.

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

29.6171, 0.3222, 0.5365

Protanopia

29.0562, 0.4250, 0.4673

Deuteranopia

29.1497, 0.4422, 0.4337



Tritanopia

29.5251, 0.2564, 0.3072

Trichromacy



Original Color

29.6171, 0.3222, 0.5365

Protanomaly

28.3848, 0.3822, 0.4954

Deuteranomaly

28.2092, 0.3936, 0.4731

Tritanomaly

29.0809, 0.2831, 0.3910

Monochromacy



Original Color

29.6171, 0.3222, 0.5365

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.6456, 0.3205, 0.4090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6171, 0.3222, 0.5365 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(81, 167, 50)` looks like.

```
.text, #text, p{  
    color:rgb(81, 167, 50)  
}
```

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(81, 167, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 167, 50) }
```

Border

The CSS property to change the border of an element to Yxy 29.6171, 0.3222, 0.5365 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(81, 167, 50) }
```

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

```
.border{ border-color:rgb(81, 167, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 167, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 167, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 167, 50);  
box-shadow:4px 4px 4px 4px rgb(81, 167,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6171, 0.3222, 0.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 167, 50) }
```

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

```
.background{ background-color: rgb(81, 167,  
50) }
```

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