

Converting Colors

$Y_{xy}(32.2159, 0.3027, 0.5432)$

Have a look what the booklet for
Yxy(32.2159, 0.3027, 0.5432)
contains.

Yxy(32.2159, 0.3027, 0.5432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.2159, 0.3027, 0.5432)

Conversions

Conversions Part 1

Format	Color
Hex	39B039
RGB	57, 176, 57
RGB Percent	22%, 69%, 22%
CMY	0.7763, 0.3098, 0.7766
CMYK	0.68, 0.00, 0.68, 0.31
HSL	120°, 51%, 46%
HSV	120°, 68%, 69%
XYZ	17.9524, 32.2159, 9.1393
YIQ	126.8530, -32.7250, -62.2370

Conversions

Conversions Part 2

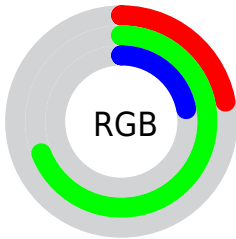
Format	Color
RYB	57, 176, 176
Decimal	3780665
CIELab	63.52, -55.88, 49.54
CIELCh	64, 74.679, 138.446
Yxy	32.2159, 0.3027, 0.5432
Android (android.graphics.Color)	4281970745 (0xFF39B039)
YUV	126.8530, -34.4375, -61.2611
Hunter-Lab	56.7591, -42.8703, 30.1845

Details

The Yxy color **32.2159, 0.3027, 0.5432** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.2808, 0.3196, 0.1796**, and the grayscale version is **21.3029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3256, 0.3096, 0.4956**, and **13.9191, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.6402, 0.3015, 0.5694**, and if you desaturate by 10%, it is **33.0343, 0.3042, 0.5113**.

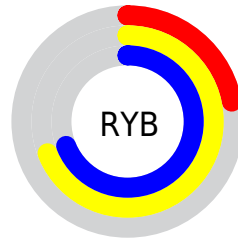
Distribution



Red (22%)

Green (69%)

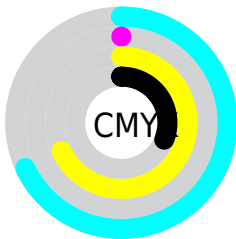
Blue (22%)



Red (22%)

Yellow (69%)

Blue (69%)

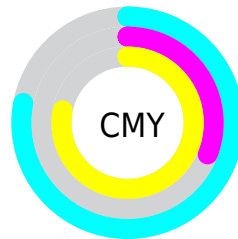


Cyan (68%)

Magenta (0%)

Yellow (68%)

Black (31%)



Cyan (78%)


Magenta (31%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2159, 0.3027, 0.5432 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 32.2159, 0.3027, 0.5432 by changing the saturation by 10% instead.

 32.2159, 0.3027,
0.5432


 32.2159, 0.3027,
0.5432


 312.1016, 0.3156,
0.4215

 21.5265, 0.2955,
0.5775


 63.1494, 0.3100,
0.4957


 13.5094, 0.2833,
0.6228


 84.1622, 0.3119,
0.4788

 7.7802, 0.2625,
0.6866

 109.3850, 0.3131,
0.4650

 3.9546, 0.2238,
0.7762

 139.2021, 0.3140,
0.4534

 1.6482, 0.0343,
0.9657

 173.9979, 0.3146,
0.4435

 0.3898, 0.0000,
1.0000

 214.1568, 0.3151,

 0.0000, 0.0000,

0.4351

0.0000

260.0633, 0.3154,
0.4279

■ 32.2159, 0.3027,
0.5432

■ 32.2159, 0.3027,
0.5432

■ 31.6402, 0.3015,
0.5694

■ 33.0343, 0.3042,
0.5113

■ 31.2770, 0.3006,
0.5878

■ 34.1136, 0.3058,
0.4764

■ 31.0877, 0.3001,
0.5980

■ 35.4749, 0.3075,
0.4410

■ 31.0516, 0.3000,
0.6000

■ 37.1362, 0.3091,
0.4071

■ 39.1137, 0.3105,
0.3759

■ 41.4228, 0.3118,
0.3480

■ 44.0776, 0.3130,
0.3235

■ 47.0916, 0.3140,
0.3022

■ 50.4774, 0.3148,
0.2839

Harmonies

Analogous

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



32.2159, 0.4059, 0.5291



32.2159, 0.3027, 0.5432



32.2159, 0.2072, 0.4479

Triad

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



32.2159, 0.3027, 0.5432



32.2159, 0.1444, 0.1736



32.2159, 0.5080, 0.3042

Complementary

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



32.2159, 0.3027, 0.5432



15.2808, 0.3196, 0.1796

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.



32.2159, 0.4059, 0.2390



32.2159, 0.3027, 0.5432



32.2159, 0.1948, 0.1678

Square

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



32.2159, 0.3027, 0.5432



32.2159, 0.1285, 0.2159



32.2159, 0.2852, 0.1908



32.2159, 0.5375, 0.3772

Rectangle

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



32.2159, 0.3027, 0.5432



32.2159, 0.1621, 0.3533



32.2159, 0.2852, 0.1908



32.2159, 0.4802, 0.2813

Sweetspot

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



32.2172, 0.3027, 0.5432



69.9039, 0.3101, 0.3841



39.8040, 0.4053, 0.4775



14.9332, 0.3098, 0.3926



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.2172, 0.3027, 0.5432



57.0237, 0.3010, 0.5792



33.1465, 0.2710, 0.4430



9.4903, 0.3116, 0.3525



22.7830, 0.3000, 0.6000



0.7169, 0.3001, 0.5999

Inverse Universe

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



15.2808, 0.3196, 0.1796



24.1802, 0.3204, 0.1630



13.4733, 0.4134, 0.2457



8.6465, 0.3138, 0.3066



9.0638, 0.3208, 0.1541



0.2853, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 32.2159, 0.3027, 0.5432 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.2159, 0.3027, 0.5432 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 ✓ Pass

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

Yxy 32.2159, 0.3027, 0.5432

Background



This preview shows how black text looks on a background with the Yxy color 32.2159, 0.3027, 0.5432.



This preview shows how white text looks on a background with the Yxy color 32.2159, 0.3027, 0.5432.

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

32.2159, 0.3027, 0.5432

Protanopia

31.6794, 0.4221, 0.4646

Deuteranopia

31.4749, 0.4383, 0.4294



Tritanopia

32.2485, 0.2443, 0.3076

Trichromacy



Original Color

32.2159, 0.3027, 0.5432



Protanomaly

30.4926, 0.3695, 0.4987



Deuteranomaly

29.7985, 0.3787, 0.4747



Tritanomaly

31.6749, 0.2669, 0.3922

Monochromacy



Original Color

32.2159, 0.3027, 0.5432



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.0349, 0.3088, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2159, 0.3027, 0.5432 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(57, 176, 57)` looks like.

```
.text, #text, p{  
    color:rgb(57, 176, 57)  
}
```

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(57, 176, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 176, 57) }
```

Border

The CSS property to change the border of an element to Yxy 32.2159, 0.3027, 0.5432 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(57, 176, 57) }
```

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

```
.border{ border-color:rgb(57, 176, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 176, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 176, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 176, 57);  
box-shadow:4px 4px 4px 4px rgb(57, 176,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2159, 0.3027, 0.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 176, 57) }
```

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

```
.background{ background-color: rgb(57, 176,  
57) }
```

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