

Converting Colors

$Yxy(32.1345, 0.3165, 0.5018)$

Have a look what the booklet for
Yxy(32.1345, 0.3165, 0.5018)
contains.

Yxy(32.2236, 0.3165, 0.5023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.2236, 0.3165, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	5BAC4A
RGB	91, 172, 74
RGB Percent	36%, 67%, 29%
CMY	0.6430, 0.3255, 0.7099
CMYK	0.47, 0.00, 0.57, 0.33
HSL	110°, 40%, 48%
HSV	110°, 57%, 67%
XYZ	20.3041, 32.2236, 11.6244
YIQ	136.6090, -16.8180, -47.6500

Conversions

Conversions Part 2

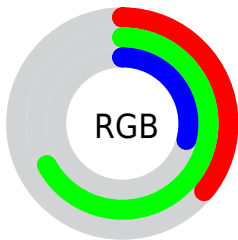
Format	Color
RYB	74, 172, 155
Decimal	6007882
CIELab	63.53, -43.89, 42.24
CIELCh	64, 60.916, 136.102
Yxy	32.2236, 0.3165, 0.5023
Android (android.graphics.Color)	4284197962 (0xFF5BAC4A)
YUV	136.6090, -30.8662, -39.9991
Hunter-Lab	56.7658, -35.4939, 27.5948

Details

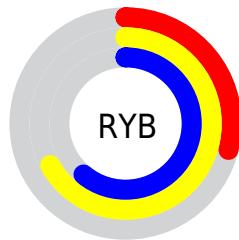
The Yxy color **32.2236, 0.3165, 0.5023** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.8379, 0.2966, 0.1881**, and the grayscale version is **24.9864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0785, 0.3191, 0.4649**, and **13.5587, 0.3072, 0.5677** is the 20% darker color. If you saturate the color by 10%, you get **31.3687, 0.3151, 0.5333**, and if you desaturate by 10%, it is **33.2813, 0.3171, 0.4690**.

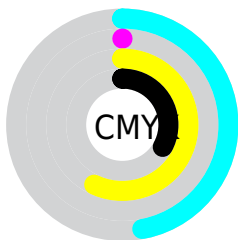
Distribution



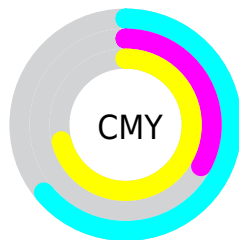
- Red (36%)
- Green (67%)
- Blue (29%)



- Red (29%)
- Yellow (67%)
- Blue (61%)



- Cyan (47%)
- Magenta (0%)
- Yellow (57%)
- Black (33%)




- Cyan (64%)
- Magenta (33%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2236, 0.3165, 0.5023 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 32.2236, 0.3165, 0.5023 by changing the saturation by 10% instead.


 32.2236, 0.3165,
0.5023


 32.2236, 0.3165,
0.5023


312.1366, 0.3194,
0.4047


 21.5323, 0.3132,
0.5300


 63.1615, 0.3192,
0.4642


 13.5137, 0.3070,
0.5671

 84.1769, 0.3197,
0.4507


 7.7832, 0.2947,
0.6184


 109.4024, 0.3199,
0.4396

 3.9565, 0.2800,
0.7200

 139.2225, 0.3199,
0.4303

 1.6493, 0.1758,
0.8242

 174.0216, 0.3198,
0.4224

 0.3905, 0.0000,
1.0000

214.1841, 0.3197,

 0.0000, 0.0000,

0.4157

0.0000

260.0942, 0.3196,
0.4098

■ 32.2236, 0.3165,
0.5023

■ 32.2236, 0.3165,
0.5023

■ 31.3687, 0.3151,
0.5333

■ 33.2813, 0.3171,
0.4690

■ 30.6996, 0.3128,
0.5598

■ 34.5496, 0.3170,
0.4355

■ 30.2029, 0.3098,
0.5797

■ 36.0408, 0.3163,
0.4033

■ 29.8600, 0.3065,
0.5924

■ 37.7650, 0.3152,
0.3733

■ 29.7800, 0.3057,
0.5955

■ 39.7317, 0.3138,
0.3462

■ 41.9498, 0.3122,
0.3220

■ 44.4280, 0.3106,
0.3007

■ 47.1742, 0.3090,
0.2821

■ 50.1963, 0.3074,
0.2658

Harmonies

Analogous

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



32.2236, 0.4040, 0.4946



32.2236, 0.3165, 0.5023



32.2236, 0.2327, 0.4320

Triad

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



32.2236, 0.3165, 0.5023



32.2236, 0.1659, 0.1990



32.2236, 0.4680, 0.3068

Complementary

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



32.2236, 0.3165, 0.5023



14.8379, 0.2966, 0.1881

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.



32.2236, 0.3823, 0.2495



32.2236, 0.3165, 0.5023



32.2236, 0.2087, 0.1901

Square

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



32.2236, 0.3165, 0.5023



32.2236, 0.1545, 0.2412



32.2236, 0.2842, 0.2083



32.2236, 0.5009, 0.3719

Rectangle

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



32.2236, 0.3165, 0.5023



32.2236, 0.1907, 0.3596



32.2236, 0.2842, 0.2083



32.2236, 0.4437, 0.2865

Sweetspot

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



32.2250, 0.3165, 0.5023



68.4048, 0.3152, 0.3742



32.3862, 0.4064, 0.4415



14.7285, 0.3155, 0.3798



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.



32.2250, 0.3165, 0.5023



56.6076, 0.3146, 0.5397



31.9808, 0.2851, 0.4531



9.0038, 0.3141, 0.3522



22.1783, 0.3061, 0.5951



0.6366, 0.3242, 0.5808

Inverse Universe

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



14.8379, 0.2966, 0.1881



22.0012, 0.2914, 0.1641



15.5877, 0.3634, 0.2335



8.0766, 0.3111, 0.3065



6.5232, 0.2780, 0.1305



0.1997, 0.2918, 0.1381

Previews

White Background



This preview shows how the Yxy color 32.2236, 0.3165, 0.5023 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 32.2236, 0.3165, 0.5023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

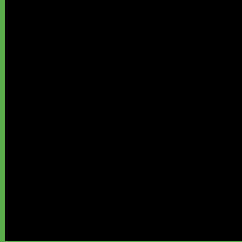
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2236, 0.3165, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 32.2236, 0.3165, 0.5023.



This preview shows how white text looks on a background with the Yxy color 32.2236, 0.3165, 0.5023.

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

32.2236, 0.3165, 0.5023

Protanopia

31.7459, 0.4096, 0.4482

Deuteranopia

31.7166, 0.4234, 0.4163



Tritanopia

32.2508, 0.2587, 0.3080

Trichromacy



Original Color

32.2236, 0.3165, 0.5023



Protanomaly

31.2465, 0.3712, 0.4703



Deuteranomaly

30.6681, 0.3804, 0.4479



Tritanomaly

31.9910, 0.2810, 0.3774

Monochromacy



Original Color

32.2236, 0.3165, 0.5023



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.0207, 0.3157, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2236, 0.3165, 0.5023 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(91, 172, 74)` looks like.

```
.text, #text, p{  
    color:rgb(91, 172, 74)  
}
```

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(91, 172, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 172, 74) }
```

Border

The CSS property to change the border of an element to Yxy 32.2236, 0.3165, 0.5023 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(91, 172, 74) }
```

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

```
.border{ border-color:rgb(91, 172, 74) }
```

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

Here you see how a box with a 4 pixel rgb(91, 172, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 172, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 172, 74);  
box-shadow:4px 4px 4px 4px rgb(91, 172,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2236, 0.3165, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 172, 74) }
```

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

```
.background{ background-color: rgb(91, 172,  
74) }
```

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