

Converting Colors

$Yxy(32.6371, 0.3073, 0.4776)$

Have a look what the booklet for
Yxy(32.6371, 0.3073, 0.4776)
contains.

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Color

Yxy(32.4505, 0.3072, 0.4777)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5BAC59 |
| RGB | 91, 172, 89 |
| RGB Percent | 36%, 67%, 35% |
| CMY | 0.6432, 0.3255, 0.6510 |
| CMYK | 0.47, 0.00, 0.48, 0.33 |
| HSL | 119°, 33%, 51% |
| HSV | 119°, 48%, 67% |
| XYZ | 20.8683, 32.4505, 14.6119 |
| YIQ | 138.3190, -21.6330, -42.9850 |

Conversions

Conversions Part 2

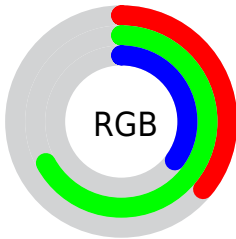
| Format | Color |
|-------------------------------------|--|
| RYB | 89, 172, 170 |
| Decimal | 6007897 |
| CIELab | 63.71, -41.95, 35.04 |
| CIElCh | 64, 54.664, 140.130 |
| Yxy | 32.4505, 0.3072, 0.4777 |
| Android (android.graphics.Color) | 4284197977 (0xFF5BAC59) |
| YUV | 138.3190, -24.3143, -41.4988 |
| Hunter-Lab | 56.9653, -34.2988, 24.6676 |

Details

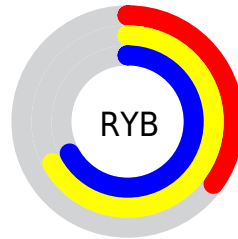
The Yxy color **32.4505, 0.3072, 0.4777** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.6691, 0.3156, 0.2135**, and the grayscale version is **25.6434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4912, 0.3110, 0.4454**, and **13.6702, 0.2981, 0.5356** is the 20% darker color. If you saturate the color by 10%, you get **31.4362, 0.3056, 0.5123**, and if you desaturate by 10%, it is **33.7258, 0.3087, 0.4426**.

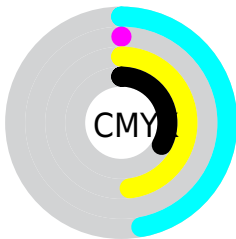
Distribution



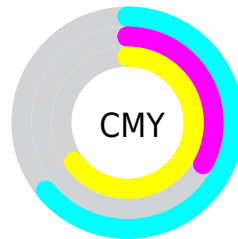
- Red (36%)
- Green (67%)
- Blue (35%)



- Red (35%)
- Yellow (67%)
- Blue (67%)



- Cyan (47%)
- Magenta (0%)
- Yellow (48%)
- Black (33%)





- Cyan (64%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4505, 0.3072, 0.4777 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 32.4505, 0.3072, 0.4777 by changing the saturation by 10% instead.


 32.4505, 0.3072,
0.4777


 32.4505, 0.3072,
0.4777


313.1663, 0.3136,
0.3939


 21.7058, 0.3038,
0.5019


 63.5167, 0.3107,
0.4449

 13.6409, 0.2981,
0.5348


 84.6070, 0.3116,
0.4332

 7.8713, 0.2875,
0.5816


 109.9146, 0.3123,
0.4237

 4.0127, 0.2707,
0.6619

 139.8239, 0.3127,
0.4158

 1.6807, 0.1995,
0.8005

174.7193, 0.3131,
0.4090

 0.4111, 0.0000,
1.0000


214.9853, 0.3133,


 0.0000, 0.0000,

0.4033

0.0000

261.0062, 0.3135,
0.3983


 32.4505, 0.3072,
0.4777


 32.4505, 0.3072,
0.4777


 31.4362, 0.3056,
0.5123

 33.7258, 0.3087,
0.4426


 30.6613, 0.3041,
0.5438


 35.2741, 0.3100,
0.4088


 30.1072, 0.3026,
0.5697


 37.1115, 0.3111,
0.3776

 29.7508, 0.3014,
0.5878

 39.2515, 0.3121,
0.3496


 29.5595, 0.3006,
0.5981


 41.7071, 0.3128,
0.3250

 29.5342, 0.3006,
0.5996

 44.4902, 0.3135,
0.3035

 47.6123, 0.3140,
0.2850

 51.0842, 0.3144,
0.2690

 54.9164, 0.3148,
0.2553

Harmonies

Analogous

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



32.4505, 0.3877, 0.4830



32.4505, 0.3072, 0.4777



32.4505, 0.2325, 0.4080

Triad

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



32.4505, 0.3072, 0.4777



32.4505, 0.1818, 0.2079



32.4505, 0.4591, 0.3181

Complementary

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



32.4505, 0.3072, 0.4777



18.6691, 0.3156, 0.2135

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.



32.4505, 0.3873, 0.2633



32.4505, 0.3072, 0.4777



32.4505, 0.2259, 0.2026

Square

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



32.4505, 0.3072, 0.4777



32.4505, 0.1675, 0.2433



32.4505, 0.2988, 0.2225



32.4505, 0.4823, 0.3792

Rectangle

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



32.4505, 0.3072, 0.4777



32.4505, 0.1964, 0.3444



32.4505, 0.2988, 0.2225



32.4505, 0.4394, 0.2988

Sweetspot

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



32.4519, 0.3072, 0.4777



68.8109, 0.3115, 0.3660



37.9575, 0.3841, 0.4412



14.7828, 0.3113, 0.3720



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.



32.4519, 0.3072, 0.4777



56.9012, 0.3055, 0.5149



33.1822, 0.2793, 0.4073



8.9482, 0.3120, 0.3524



21.9799, 0.3007, 0.5995



0.6144, 0.3036, 0.5972

Inverse Universe

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



18.6691, 0.3156, 0.2135



28.8684, 0.3159, 0.1922



17.6151, 0.3717, 0.2636



8.1381, 0.3134, 0.3066



8.4045, 0.3150, 0.1509



0.2368, 0.3169, 0.1520

Previews

White Background



This preview shows how the Yxy color 32.4505, 0.3072, 0.4777 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 32.4505, 0.3072, 0.4777 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 32.4505, 0.3072, 0.4777

Background



This preview shows how black text looks on a background with the Yxy color 32.4505, 0.3072, 0.4777.



This preview shows how white text looks on a background with the Yxy color 32.4505, 0.3072, 0.4777.

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

32.4505, 0.3072, 0.4777

Protanopia

32.1554, 0.3966, 0.4332

Deuteranopia

32.0079, 0.4073, 0.4011



Tritanopia

32.1870, 0.2580, 0.3080

Trichromacy



Original Color

32.4505, 0.3072, 0.4777

Protanomaly

31.8083, 0.3595, 0.4507

Deuteranomaly

31.1466, 0.3661, 0.4282

Tritanomaly

32.1108, 0.2758, 0.3667

Monochromacy



Original Color

32.4505, 0.3072, 0.4777

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.2337, 0.3112, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4505, 0.3072, 0.4777 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(91, 172, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 172, 89) }
```

Border

The CSS property to change the border of an element to Yxy 32.4505, 0.3072, 0.4777 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, 89) }
```

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

```
.border{ border-color:rgb(91, 172, 89) }
```

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, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 172, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 172, 89);  
box-shadow:4px 4px 4px 4px rgb(91, 172,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4505, 0.3072, 0.4777 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, 89) }
```

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

```
.background{ background-color: rgb(91, 172,  
89) }
```

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](#).

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