

Converting Colors

$Yxy(31.9275, 0.2963, 0.4568)$

Have a look what the booklet for
Yxy(31.9275, 0.2963, 0.4568)
contains.

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Color

Yxy(32.0916, 0.2963, 0.4562)

Conversions

Conversions Part 1

Format	Color
Hex	57AB65
RGB	87, 171, 101
RGB Percent	34%, 67%, 40%
CMY	0.6588, 0.3294, 0.6039
CMYK	0.49, 0.00, 0.41, 0.33
HSL	130°, 33%, 51%
HSV	130°, 49%, 67%
XYZ	20.8434, 32.0916, 17.4105
YIQ	137.9040, -27.5940, -39.5780

Conversions

Conversions Part 2

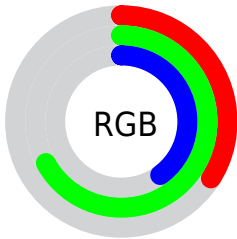
Format	Color
RYB	87, 159, 171
Decimal	5745509
CIELab	63.42, -40.80, 28.37
CIELCh	63, 49.699, 145.186
Yxy	32.0916, 0.2963, 0.4562
Android (android.graphics.Color)	4283935589 (0xFF57AB65)
YUV	137.9040, -18.1937, -44.6428
Hunter-Lab	56.6494, -33.4600, 21.4326

Details

The Yxy color **32.0916, 0.2963, 0.4562** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.9103, 0.3363, 0.2291**, and the grayscale version is **25.4574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9889, 0.3012, 0.4276**, and **13.4608, 0.2854, 0.5055** is the 20% darker color. If you saturate the color by 10%, you get **31.1094, 0.2942, 0.4870**, and if you desaturate by 10%, it is **33.3199, 0.2991, 0.4260**.

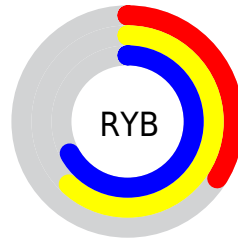
Distribution



Red (34%)

Green (67%)

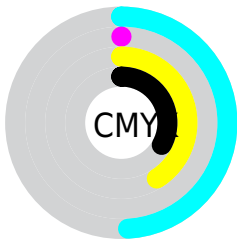
Blue (40%)



Red (34%)

Yellow (62%)

Blue (67%)

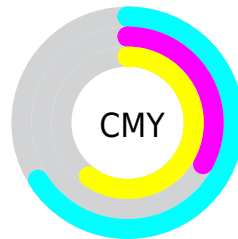


Cyan (49%)

Magenta (0%)

Yellow (41%)

Black (33%)



Cyan (66%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0916, 0.2963, 0.4562 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 32.0916, 0.2963, 0.4562 by changing the saturation by 10% instead.


 32.0916, 0.2963,
0.4562


 32.0916, 0.2963,
0.4562


311.5363, 0.3075,
0.3844


 21.4315, 0.2921,
0.4772


 62.9547, 0.3013,
0.4280


 13.4398, 0.2858,
0.5060


 83.9264, 0.3029,
0.4180

 7.7321, 0.2751,
0.5479


 109.1041, 0.3041,
0.4099

 3.9240, 0.2557,
0.6132

 138.8722, 0.3051,
0.4031

 1.6311, 0.2032,
0.7968

173.6151, 0.3058,
0.3973

 0.3785, 0.0000,
1.0000

213.7171, 0.3065,

 0.0000, 0.0000,

0.3924

0.0000

259.5627, 0.3070,
0.3882

■ 32.0916, 0.2963,
0.4562

■ 32.0916, 0.2963,
0.4562

■ 31.1094, 0.2942,
0.4870

■ 33.3199, 0.2991,
0.4260

■ 30.3527, 0.2930,
0.5168

■ 34.8051, 0.3024,
0.3975

■ 29.8045, 0.2929,
0.5439


■ 36.5625, 0.3059,
0.3714

■ 29.4429, 0.2939,
0.5664

■ 38.6046, 0.3095,
0.3480

■ 29.2287, 0.2956,
0.5832


■ 40.9434, 0.3130,
0.3273

 29.2127, 0.2957,
0.5845

 43.5903, 0.3164,
0.3091

 46.5558, 0.3196,
0.2933

 49.8501, 0.3227,
0.2797

 53.4829, 0.3254,
0.2678

Harmonies

Analogous

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



32.0916, 0.3712, 0.4729



32.0916, 0.2963, 0.4562



32.0916, 0.2299, 0.3865

Triad

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



32.0916, 0.2963, 0.4562



32.0916, 0.1964, 0.2144



32.0916, 0.4536, 0.3295

Complementary

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



32.0916, 0.2963, 0.4562



17.9103, 0.3363, 0.2291

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.



32.0916, 0.3941, 0.2765



32.0916, 0.2963, 0.4562



32.0916, 0.2426, 0.2132

Square

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



32.0916, 0.2963, 0.4562



32.0916, 0.1782, 0.2431



32.0916, 0.3137, 0.2354



32.0916, 0.4671, 0.3871

Rectangle

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



32.0916, 0.2963, 0.4562



32.0916, 0.1992, 0.3296



32.0916, 0.3137, 0.2354



32.0916, 0.4381, 0.3110

Sweetspot

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



32.0929, 0.2963, 0.4562



66.8276, 0.3073, 0.3621



36.9831, 0.3693, 0.4525



14.7410, 0.3066, 0.3670



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.



32.0929, 0.2963, 0.4562



55.5723, 0.2940, 0.4898



33.1364, 0.2673, 0.3777



8.9603, 0.3094, 0.3484



22.0271, 0.2953, 0.5832



0.6192, 0.2819, 0.5348

Inverse Universe

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



17.9103, 0.3363, 0.2291



27.1524, 0.3431, 0.2105



16.7140, 0.4001, 0.2870



8.1248, 0.3162, 0.3103



8.0169, 0.3673, 0.1797



0.2290, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 32.0916, 0.2963, 0.4562 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 32.0916, 0.2963, 0.4562 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 32.0916, 0.2963, 0.4562

Background



This preview shows how black text looks on a background with the Yxy color 32.0916, 0.2963, 0.4562.



This preview shows how white text looks on a background with the Yxy color 32.0916, 0.2963, 0.4562.

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

32.0916, 0.2963, 0.4562

Protanopia

31.8061, 0.3845, 0.4167

Deuteranopia

31.5644, 0.3925, 0.3845



Tritanopia

31.8789, 0.2546, 0.3078

Trichromacy



Original Color

32.0916, 0.2963, 0.4562



Protanomaly

31.4080, 0.3470, 0.4323



Deuteranomaly

30.6657, 0.3513, 0.4096



Tritanomaly

31.6451, 0.2698, 0.3582

Monochromacy



Original Color

32.0916, 0.2963, 0.4562



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.2153, 0.3047, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0916, 0.2963, 0.4562 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(87, 171, 101)` looks like.

```
.text, #text, p{  
    color:rgb(87, 171, 101)  
}
```

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(87, 171, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 171, 101) }
```

Border

The CSS property to change the border of an element to Yxy 32.0916, 0.2963, 0.4562 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(87, 171, 101) }
```

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

```
.border{ border-color:rgb(87, 171, 101) }
```

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

Here you see how a box with a 4 pixel rgb(87, 171, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 171, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 171, 101);  
box-shadow:4px 4px 4px 4px rgb(87, 171,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0916, 0.2963, 0.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 171, 101) }
```

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

```
.background{ background-color: rgb(87, 171,  
101) }
```

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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