

Converting Colors

$Yxy(31.2438, 0.2921, 0.4778)$

Have a look what the booklet for
Yxy(31.2438, 0.2921, 0.4778)
contains.

Yxy(31.2381, 0.2916, 0.4771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.2381, 0.2916, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	47AB5C
RGB	71, 171, 92
RGB Percent	28%, 67%, 36%
CMY	0.7216, 0.3294, 0.6393
CMYK	0.58, 0.00, 0.46, 0.33
HSL	133°, 41%, 47%
HSV	133°, 58%, 67%
XYZ	19.0925, 31.2381, 15.1444
YIQ	132.0940, -34.2410, -45.7690

Conversions

Conversions Part 2

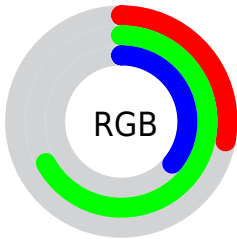
Format	Color
RYB	71, 154, 171
Decimal	4696924
CIELab	62.71, -46.43, 32.08
CIElCh	63, 56.436, 145.360
Yxy	31.2381, 0.2916, 0.4771
Android (android.graphics.Color)	4282887004 (0xFF47AB5C)
YUV	132.0940, -19.7663, -53.5794
Hunter-Lab	55.8911, -36.8334, 23.0584

Details

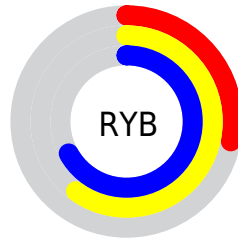
The Yxy color **31.2381, 0.2916, 0.4771** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.3675, 0.3485, 0.2181**, and the grayscale version is **23.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5105, 0.2984, 0.4441**, and **13.1387, 0.2815, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **30.4657, 0.2903, 0.5061**, and if you desaturate by 10%, it is **32.2371, 0.2940, 0.4476**.

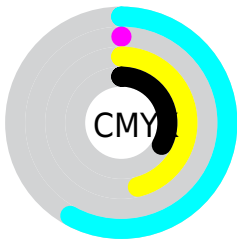
Distribution



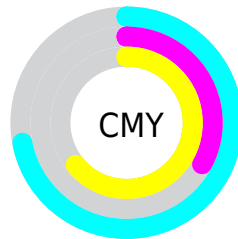
- Red (28%)
- Green (67%)
- Blue (36%)



- Red (28%)
- Yellow (60%)
- Blue (67%)



- Cyan (58%)
- Magenta (0%)
- Yellow (46%)
- Black (33%)





- Cyan (72%)
- Magenta (33%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2381, 0.2916, 0.4771 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 31.2381, 0.2916, 0.4771 by changing the saturation by 10% instead.


 31.2381, 0.2916,
0.4771


 31.2381, 0.2916,
0.4771


307.6337, 0.3062,
0.3927

 20.7802, 0.2861,
0.5020


 61.6147, 0.2982,
0.4437

 12.9634, 0.2775,
0.5364


 82.3023, 0.3002,
0.4320

 7.4034, 0.2632,
0.5862


 107.1685, 0.3018,
0.4224

 3.7156, 0.2397,
0.6710

 136.5978, 0.3031,
0.4145

 1.5158, 0.1185,
0.8815

 170.9746, 0.3041,
0.4077

 0.2998, 0.0000,
1.0000

210.6833, 0.3049,

 0.0000, 0.0000,

0.4020

0.0000

256.1082, 0.3056,
0.3970

■ 31.2381, 0.2916,
0.4771

■ 31.2381, 0.2916,
0.4771

■ 30.4657, 0.2903,
0.5061

■ 32.2371, 0.2940,
0.4476

■ 29.8982, 0.2902,
0.5331

■ 33.4749, 0.2972,
0.4190

■ 29.5159, 0.2914,
0.5565

■ 34.9672, 0.3010,
0.3922

■ 29.2837, 0.2935,
0.5751

■ 36.7273, 0.3050,
0.3677

■ 29.2540, 0.2938,
0.5775

■ 38.7676, 0.3092,
0.3457

■ 41.0998, 0.3133,
0.3262

■ 43.7347, 0.3173,
0.3091

■ 46.6827, 0.3212,
0.2942

■ 49.9537, 0.3248,
0.2813

Harmonies

Analogous

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



31.2381, 0.3758, 0.4935



31.2381, 0.2916, 0.4771



31.2381, 0.2177, 0.3946

Triad

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



31.2381, 0.2916, 0.4771



31.2381, 0.1827, 0.2002



31.2381, 0.4742, 0.3277

Complementary

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



31.2381, 0.2916, 0.4771



15.3675, 0.3485, 0.2181

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.



31.2381, 0.4061, 0.2697



31.2381, 0.2916, 0.4771



31.2381, 0.2335, 0.1998

Square

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



31.2381, 0.2916, 0.4771



31.2381, 0.1626, 0.2305



31.2381, 0.3135, 0.2245



31.2381, 0.4876, 0.3912

Rectangle

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



31.2381, 0.2916, 0.4771



31.2381, 0.1843, 0.3276



31.2381, 0.3135, 0.2245



31.2381, 0.4566, 0.3075

Sweetspot

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



31.2394, 0.2916, 0.4771



65.8286, 0.3051, 0.3673



36.1619, 0.3742, 0.4754



14.4686, 0.3039, 0.3740



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.



31.2394, 0.2916, 0.4771



54.2441, 0.2901, 0.5138



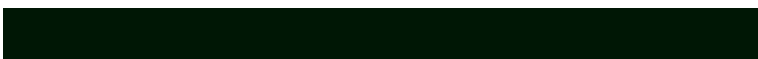
32.3901, 0.2595, 0.3826



8.9658, 0.3089, 0.3474



22.0586, 0.2933, 0.5760



0.6214, 0.2779, 0.5205

Inverse Universe

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



15.3675, 0.3485, 0.2181



23.1531, 0.3589, 0.2013



14.1044, 0.4331, 0.2855



8.1189, 0.3168, 0.3113



7.8558, 0.3812, 0.1874



0.2257, 0.3598, 0.1756

Previews

White Background



This preview shows how the Yxy color 31.2381, 0.2916, 0.4771 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 31.2381, 0.2916, 0.4771 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 31.2381, 0.2916, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 31.2381, 0.2916, 0.4771.



This preview shows how white text looks on a background with the Yxy color 31.2381, 0.2916, 0.4771.

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

31.2381, 0.2916, 0.4771

Protanopia

30.7884, 0.3917, 0.4273

Deuteranopia

30.6711, 0.4009, 0.3931



Tritanopia

31.2630, 0.2475, 0.3074

Trichromacy



Original Color

31.2381, 0.2916, 0.4771



Protanomaly

29.9836, 0.3479, 0.4467



Deuteranomaly

29.6185, 0.3534, 0.4246



Tritanomaly

30.8859, 0.2632, 0.3643

Monochromacy



Original Color

31.2381, 0.2916, 0.4771



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.1571, 0.3031, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2381, 0.2916, 0.4771 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(71, 171, 92)` looks like.

```
.text, #text, p{  
    color:rgb(71, 171, 92)  
}
```

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(71, 171, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 171, 92) }
```

Border

The CSS property to change the border of an element to Yxy 31.2381, 0.2916, 0.4771 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(71, 171, 92) }
```

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

```
.border{ border-color:rgb(71, 171, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 171, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 171, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 171, 92);  
box-shadow:4px 4px 4px 4px rgb(71, 171,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2381, 0.2916, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 171, 92) }
```

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

```
.background{ background-color: rgb(71, 171,  
92) }
```

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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