

Converting Colors

$Yxy(31.2762, 0.2922, 0.4768)$

Have a look what the booklet for
Yxy(31.2762, 0.2922, 0.4768)
contains.

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Color

Yxy(31.2762, 0.2922, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	48AB5C
RGB	72, 171, 92
RGB Percent	28%, 67%, 36%
CMY	0.7176, 0.3294, 0.6392
CMYK	0.58, 0.00, 0.46, 0.33
HSL	132°, 41%, 48%
HSV	132°, 58%, 67%
XYZ	19.1672, 31.2762, 15.1527
YIQ	132.3930, -33.6450, -45.5570

Conversions

Conversions Part 2

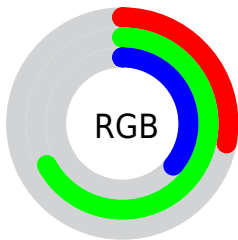
Format	Color
RYB	72, 154, 171
Decimal	4762460
CIELab	62.74, -46.19, 32.12
CIElCh	63, 56.257, 145.188
Yxy	31.2762, 0.2922, 0.4768
Android (android.graphics.Color)	4282952540 (0xFF48AB5C)
YUV	132.3930, -19.9137, -52.9647
Hunter-Lab	55.9251, -36.6918, 23.0832

Details

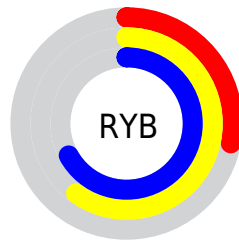
The Yxy color **31.2762, 0.2922, 0.4768** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.5272, 0.3469, 0.2181**, and the grayscale version is **23.3069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5885, 0.2989, 0.4439**, and **13.1387, 0.2815, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **30.4916, 0.2908, 0.5061**, and if you desaturate by 10%, it is **32.2891, 0.2946, 0.4471**.

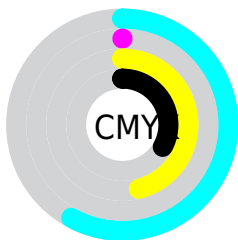
Distribution



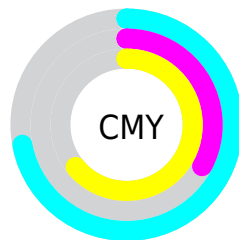
- Red (28%)
- Green (67%)
- Blue (36%)



- 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 31.2762, 0.2922, 0.4768 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 31.2762, 0.2922, 0.4768 by changing the saturation by 10% instead.


 31.2762, 0.2922,
0.4768


 31.2762, 0.2922,
0.4768


307.8088, 0.3065,
0.3926

 20.8093, 0.2868,
0.5016


 61.6747, 0.2986,
0.4435

 12.9846, 0.2783,
0.5359


 82.3750, 0.3006,
0.4318


 7.4180, 0.2642,
0.5855


 107.2552, 0.3022,
0.4223

 3.7248, 0.2410,
0.6698

 136.6997, 0.3034,
0.4143

 1.5209, 0.1229,
0.8771

 171.0929, 0.3044,
0.4076

 0.3033, 0.0000,
1.0000

210.8193, 0.3052,

 0.0000, 0.0000,

0.4019

0.0000

256.2631, 0.3059,
0.3969

■ 31.2762, 0.2922,
0.4768

■ 31.2762, 0.2922,
0.4768

■ 30.4916, 0.2908,
0.5061

■ 32.2891, 0.2946,
0.4471

■ 29.9136, 0.2906,
0.5333

■ 33.5424, 0.2978,
0.4183

■ 29.5228, 0.2917,
0.5569

■ 35.0519, 0.3015,
0.3913

■ 29.2865, 0.2938,
0.5755

■ 36.8309, 0.3055,
0.3667

■ 29.2457, 0.2941,
0.5789

■ 38.8917, 0.3095,
0.3446

■ 41.2460, 0.3136,
0.3251

■ 43.9047, 0.3174,
0.3080

■ 46.8782, 0.3211,
0.2931

■ 50.1764, 0.3246,
0.2802

Harmonies

Analogous

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



31.2762, 0.3761, 0.4928



31.2762, 0.2922, 0.4768



31.2762, 0.2184, 0.3949

Triad

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



31.2762, 0.2922, 0.4768



31.2762, 0.1829, 0.2007



31.2762, 0.4733, 0.3275

Complementary

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



31.2762, 0.2922, 0.4768



15.5272, 0.3469, 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.



31.2762, 0.4053, 0.2696



31.2762, 0.2922, 0.4768



31.2762, 0.2334, 0.2001

Square

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



31.2762, 0.2922, 0.4768



31.2762, 0.1630, 0.2311



31.2762, 0.3130, 0.2246



31.2762, 0.4871, 0.3907

Rectangle

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



31.2762, 0.2922, 0.4768



31.2762, 0.1849, 0.3282



31.2762, 0.3130, 0.2246



31.2762, 0.4558, 0.3072

Sweetspot

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



31.2775, 0.2922, 0.4768



66.1650, 0.3057, 0.3653



36.1936, 0.3738, 0.4741



14.6076, 0.3049, 0.3699



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.



31.2775, 0.2922, 0.4768



54.3343, 0.2907, 0.5127



32.4368, 0.2599, 0.3820



8.9648, 0.3090, 0.3476



22.0524, 0.2937, 0.5774



0.6210, 0.2786, 0.5230

Inverse Universe

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



15.5272, 0.3469, 0.2181



23.4923, 0.3565, 0.2014



14.2463, 0.4312, 0.2858



8.1199, 0.3167, 0.3111



7.8840, 0.3786, 0.1860



0.2263, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 31.2762, 0.2922, 0.4768 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 31.2762, 0.2922, 0.4768 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 31.2762, 0.2922, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 31.2762, 0.2922, 0.4768.



This preview shows how white text looks on a background with the Yxy color 31.2762, 0.2922, 0.4768.

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

31.2762, 0.2922, 0.4768

Protanopia

30.8961, 0.3928, 0.4268

Deuteranopia

30.6711, 0.4009, 0.3931



Tritanopia

31.3155, 0.2481, 0.3074

Trichromacy



Original Color

31.2762, 0.2922, 0.4768



Protanomaly

30.0638, 0.3489, 0.4463



Deuteranomaly

29.6185, 0.3534, 0.4246



Tritanomaly

30.9330, 0.2638, 0.3643

Monochromacy



Original Color

31.2762, 0.2922, 0.4768



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 31.2762, 0.2922, 0.4768 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(72, 171, 92)` looks like.

```
.text, #text, p{  
  color:rgb(72, 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(72, 171, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 171, 92) }
```

Border

The CSS property to change the border of an element to Yxy 31.2762, 0.2922, 0.4768 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(72, 171, 92) }
```

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

```
.border{ border-color:rgb(72, 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(72, 171, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 171, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 171, 92);  
box-shadow:4px 4px 4px 4px rgb(72, 171,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2762, 0.2922, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 171, 92) }
```

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

```
.background{ background-color: rgb(72, 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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