

Converting Colors

Yxy(31.9361, 0.2949, 0.4727)

Have a look what the booklet for
Yxy(31.9361, 0.2949, 0.4727)
contains.

Yxy(31.9329, 0.2948, 0.4727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9329, 0.2948, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	4EAC5E
RGB	78, 172, 94
RGB Percent	31%, 67%, 37%
CMY	0.6941, 0.3255, 0.6313
CMYK	0.55, 0.00, 0.45, 0.33
HSL	130°, 38%, 49%
HSV	130°, 55%, 67%
XYZ	19.9150, 31.9329, 15.7064
YIQ	135.0020, -30.9860, -44.1860

Conversions

Conversions Part 2

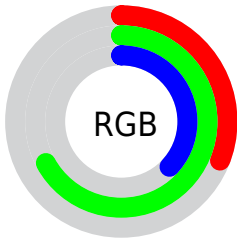
Format	Color
RYB	78, 158, 172
Decimal	5155934
CIELab	63.29, -44.78, 31.81
CIELCh	63, 54.932, 144.611
Yxy	31.9329, 0.2948, 0.4727
Android (android.graphics.Color)	4283346014 (0xFF4EAC5E)
YUV	135.0020, -20.2140, -49.9908
Hunter-Lab	56.5092, -35.9841, 23.0772

Details

The Yxy color **31.9329, 0.2948, 0.4727** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.6193, 0.3402, 0.2197**, and the grayscale version is **24.3151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6305, 0.3003, 0.4398**, and **13.4296, 0.2822, 0.5289** is the 20% darker color. If you saturate the color by 10%, you get **31.0673, 0.2932, 0.5031**, and if you desaturate by 10%, it is **33.0385, 0.2973, 0.4421**.

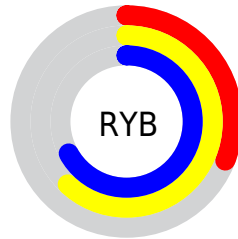
Distribution



Red (31%)

Green (67%)

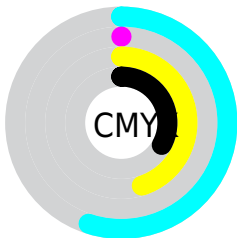
Blue (37%)



Red (31%)

Yellow (62%)

Blue (67%)

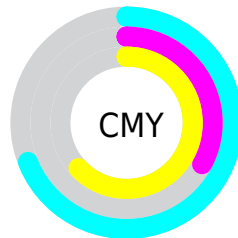


Cyan (55%)

Magenta (0%)

Yellow (45%)

Black (33%)



Cyan (69%)


Magenta (33%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9329, 0.2948, 0.4727 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 31.9329, 0.2948, 0.4727 by changing the saturation by 10% instead.


 31.9329, 0.2948,
0.4727


 31.9329, 0.2948,
0.4727


310.8135, 0.3075,
0.3912

 21.3103, 0.2899,
0.4966


 62.7059, 0.3006,
0.4406

 13.3510, 0.2823,
0.5294


 83.6250, 0.3024,
0.4293


 7.6707, 0.2695,
0.5768


 108.7451, 0.3037,
0.4200

 3.8850, 0.2475,
0.6543

 138.4505, 0.3048,
0.4123

 1.6094, 0.1593,
0.8407

 173.1256, 0.3057,
0.4058

 0.3639, 0.0000,
1.0000

213.1549, 0.3064,

 0.0000, 0.0000,

0.4002

0.0000

258.9227, 0.3070,
0.3954

■ 31.9329, 0.2948,
0.4727

■ 31.9329, 0.2948,
0.4727

■ 31.0673, 0.2932,
0.5031

■ 33.0385, 0.2973,
0.4421

■ 30.4200, 0.2926,
0.5316

■ 34.3961, 0.3004,
0.4127

■ 29.9719, 0.2931,
0.5564

■ 36.0214, 0.3038,
0.3853

■ 29.6987, 0.2947,
0.5758

■ 37.9281, 0.3074,
0.3605

■ 29.5964, 0.2956,
0.5840

■ 40.1285, 0.3111,
0.3384

■ 42.6345, 0.3146,
0.3189

■ 45.4571, 0.3180,
0.3019

■ 48.6069, 0.3211,
0.2872

■ 52.0940, 0.3241,
0.2744

Harmonies

Analogous

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



31.9329, 0.3765, 0.4877



31.9329, 0.2948, 0.4727



31.9329, 0.2223, 0.3947

Triad

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



31.9329, 0.2948, 0.4727



31.9329, 0.1855, 0.2042



31.9329, 0.4677, 0.3268

Complementary

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



31.9329, 0.2948, 0.4727



16.6193, 0.3402, 0.2197

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.



31.9329, 0.4009, 0.2702



31.9329, 0.2948, 0.4727



31.9329, 0.2344, 0.2030

Square

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



31.9329, 0.2948, 0.4727



31.9329, 0.1666, 0.2349



31.9329, 0.3115, 0.2265



31.9329, 0.4826, 0.3887

Rectangle

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



31.9329, 0.2948, 0.4727



31.9329, 0.1891, 0.3304



31.9329, 0.3115, 0.2265



31.9329, 0.4503, 0.3071

Sweetspot

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



31.9342, 0.2948, 0.4727



68.2037, 0.3068, 0.3644



37.1577, 0.3744, 0.4653



14.6681, 0.3061, 0.3692



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.



31.9342, 0.2948, 0.4727



56.0252, 0.2929, 0.5105



33.0390, 0.2638, 0.3843



8.9608, 0.3094, 0.3484



22.0295, 0.2952, 0.5826



0.6194, 0.2816, 0.5336

Inverse Universe

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



16.6193, 0.3402, 0.2197



25.2524, 0.3483, 0.2008



15.3308, 0.4156, 0.2830



8.1243, 0.3162, 0.3104



8.0028, 0.3684, 0.1803



0.2287, 0.3518, 0.1712

Previews

White Background



This preview shows how the Yxy color 31.9329, 0.2948, 0.4727 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 31.9329, 0.2948, 0.4727 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 31.9329, 0.2948, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 31.9329, 0.2948, 0.4727.



This preview shows how white text looks on a background with the Yxy color 31.9329, 0.2948, 0.4727.

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

31.9329, 0.2948, 0.4727

Protanopia

31.3601, 0.3914, 0.4250

Deuteranopia

31.5451, 0.4008, 0.3938



Tritanopia

31.9256, 0.2503, 0.3077

Trichromacy



Original Color

31.9329, 0.2948, 0.4727



Protanomaly

30.6854, 0.3500, 0.4432



Deuteranomaly

30.3443, 0.3555, 0.4214



Tritanomaly

31.5719, 0.2666, 0.3638

Monochromacy



Original Color

31.9329, 0.2948, 0.4727



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.1133, 0.3043, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9329, 0.2948, 0.4727 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(78, 172, 94)` looks like.

```
.text, #text, p{  
    color:rgb(78, 172, 94)  
}
```

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(78, 172, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 172, 94) }
```

Border

The CSS property to change the border of an element to Yxy 31.9329, 0.2948, 0.4727 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(78, 172, 94) }
```

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

```
.border{ border-color:rgb(78, 172, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 172, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 172, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 172, 94);  
box-shadow:4px 4px 4px 4px rgb(78, 172,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9329, 0.2948, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 172, 94) }
```

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

```
.background{ background-color: rgb(78, 172,  
94) }
```

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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