

Converting Colors

$Yxy(31.5869, 0.2720, 0.4184)$

Have a look what the booklet for
Yxy(31.5869, 0.2720, 0.4184)
contains.

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Color

Yxy(31.4942, 0.2717, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	47AA7A
RGB	71, 170, 122
RGB Percent	28%, 67%, 48%
CMY	0.7217, 0.3333, 0.5215
CMYK	0.58, 0.00, 0.28, 0.33
HSL	151°, 41%, 47%
HSV	151°, 58%, 67%
XYZ	20.4859, 31.4942, 23.4190
YIQ	134.9270, -43.5960, -35.9160

Conversions

Conversions Part 2

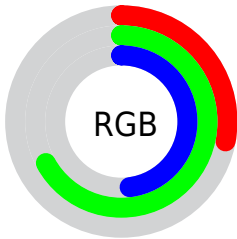
Format	Color
RYB	71, 136, 170
Decimal	4696698
CIELab	62.92, -40.40, 16.24
CIELCh	63, 43.542, 158.096
Yxy	31.4942, 0.2717, 0.4177
Android (android.graphics.Color)	4282886778 (0xFF47AA7A)
YUV	134.9270, -6.3730, -56.0640
Hunter-Lab	56.1197, -33.0498, 14.5418

Details

The Yxy color **31.4942, 0.2717, 0.4177** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.3811, 0.3986, 0.2587**, and the grayscale version is **24.2353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0771, 0.2807, 0.3976**, and **13.2036, 0.2589, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **30.7447, 0.2685, 0.4364**, and if you desaturate by 10%, it is **32.4434, 0.2765, 0.3997**.

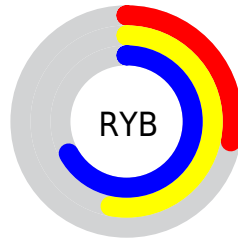
Distribution



Red (28%)

Green (67%)

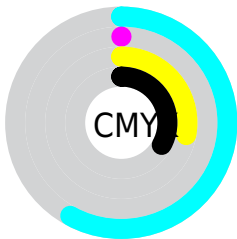
Blue (48%)



Red (28%)

Yellow (53%)

Blue (67%)

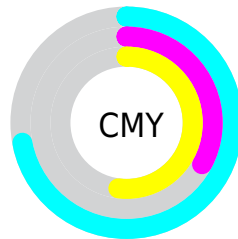


Cyan (58%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (72%)


Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4942, 0.2717, 0.4177 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 31.4942, 0.2717, 0.4177 by changing the saturation by 10% instead.


 31.4942, 0.2717,
0.4177


 31.4942, 0.2717,
0.4177


308.8087, 0.2947,
0.3680

 20.9755, 0.2650,
0.4322


 62.0173, 0.2807,
0.3982


 13.1061, 0.2557,
0.4523


 82.7905, 0.2839,
0.3913

 7.5016, 0.2420,
0.4819


 107.7505, 0.2865,
0.3857

 3.7777, 0.2201,
0.5291

 137.2820, 0.2887,
0.3809

 1.5500, 0.1592,
0.6608

 171.7691, 0.2906,
0.3770

 0.3236, 0.0000,
1.0000

211.5963, 0.2921,

 0.0000, 0.0000,

0.3735

0.0000

257.1480, 0.2935,
0.3706

■ 31.4942, 0.2717,
0.4177

■ 31.4942, 0.2717,
0.4177

■ 30.7447, 0.2685,
0.4364

■ 32.4434, 0.2765,
0.3997

■ 30.1751, 0.2672,
0.4552

■ 33.6024, 0.2826,
0.3826

■ 29.7684, 0.2679,
0.4737

■ 34.9853, 0.2897,
0.3666

■ 29.4927, 0.2702,
0.4914

■ 36.6038, 0.2975,
0.3521

■ 29.4495, 0.2707,
0.4945

■ 38.4688, 0.3058,
0.3389

■ 40.5903, 0.3142,
0.3270

■ 42.9781, 0.3227,
0.3165

■ 45.6411, 0.3310,
0.3072

■ 48.5880, 0.3391,
0.2991

Harmonies

Analogous

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



31.4942, 0.3378, 0.4548



31.4942, 0.2717, 0.4177



31.4942, 0.2201, 0.3477

Triad

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



31.4942, 0.2717, 0.4177



31.4942, 0.2234, 0.2228



31.4942, 0.4478, 0.3533

Complementary

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



31.4942, 0.2717, 0.4177



14.3811, 0.3986, 0.2587

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.



31.4942, 0.4110, 0.3023



31.4942, 0.2717, 0.4177



31.4942, 0.2757, 0.2310

Square

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



31.4942, 0.2717, 0.4177



31.4942, 0.1956, 0.2383



31.4942, 0.3450, 0.2592



31.4942, 0.4423, 0.4046

Rectangle

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



31.4942, 0.2717, 0.4177



31.4942, 0.1997, 0.3010



31.4942, 0.3450, 0.2592



31.4942, 0.4401, 0.3359

Sweetspot

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



31.4955, 0.2717, 0.4177



66.7093, 0.2983, 0.3508



33.2339, 0.3445, 0.4909



14.7402, 0.2967, 0.3534



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.



31.4955, 0.2717, 0.4177



55.4348, 0.2679, 0.4420



32.9922, 0.2415, 0.3288



8.4699, 0.3049, 0.3402



21.6736, 0.2702, 0.4926



0.5376, 0.2536, 0.4329

Inverse Universe

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



14.3811, 0.3986, 0.2587



21.4145, 0.4292, 0.2489



13.5049, 0.4872, 0.3295



7.6006, 0.3213, 0.3181



6.7500, 0.4987, 0.2521



0.1746, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 31.4942, 0.2717, 0.4177 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 31.4942, 0.2717, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

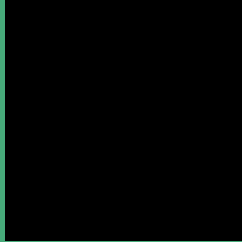
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4942, 0.2717, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 31.4942, 0.2717, 0.4177.



This preview shows how white text looks on a background with the Yxy color 31.4942, 0.2717, 0.4177.

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

31.4942, 0.2717, 0.4177

Protanopia

31.0069, 0.3617, 0.3874

Deuteranopia

30.7818, 0.3629, 0.3556



Tritanopia

31.4037, 0.2443, 0.3073

Trichromacy



Original Color

31.4942, 0.2717, 0.4177



Protanomaly

30.3818, 0.3218, 0.4002



Deuteranomaly

29.9102, 0.3224, 0.3771



Tritanomaly

31.4666, 0.2543, 0.3462

Monochromacy



Original Color

31.4942, 0.2717, 0.4177



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.2363, 0.2934, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4942, 0.2717, 0.4177 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, 170, 122)` looks like.

```
.text, #text, p{  
    color:rgb(71, 170, 122)  
}
```

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, 170, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 170, 122) }
```

Border

The CSS property to change the border of an element to Yxy 31.4942, 0.2717, 0.4177 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, 170, 122) }
```

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

```
.border{ border-color:rgb(71, 170, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 170, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 170, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 170, 122);  
box-shadow:4px 4px 4px 4px rgb(71, 170,  
122) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.4942, 0.2717, 0.4177$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 170, 122) }
```

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

```
.background{ background-color: rgb(71, 170,  
122) }
```

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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