

Converting Colors

$Yxy(31.1243, 0.2747, 0.4218)$

Have a look what the booklet for
Yxy(31.1243, 0.2747, 0.4218)
contains.

Yxy(31.1243, 0.2747, 0.4218)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.1243, 0.2747, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	49A977
RGB	73, 169, 119
RGB Percent	29%, 66%, 47%
CMY	0.7134, 0.3373, 0.5333
CMYK	0.57, 0.00, 0.30, 0.34
HSL	149°, 40%, 47%
HSV	149°, 57%, 66%
XYZ	20.2699, 31.1243, 22.3950
YIQ	134.5960, -41.1660, -35.9020

Conversions

Conversions Part 2

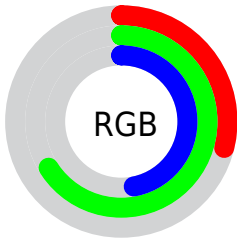
Format	Color
RYB	73, 138, 169
Decimal	4827511
CIELab	62.61, -40.12, 17.48
CIElCh	63, 43.763, 156.456
Yxy	31.1243, 0.2747, 0.4218
Android (android.graphics.Color)	4283017591 (0xFF49A977)
YUV	134.5960, -7.6888, -54.0197
Hunter-Lab	55.7892, -32.7765, 15.2521

Details

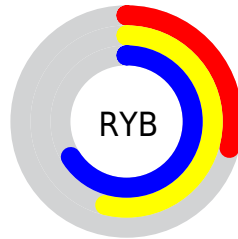
The Yxy color **31.1243, 0.2747, 0.4218** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.6408, 0.3891, 0.2552**, and the grayscale version is **24.1192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4578, 0.2834, 0.4020**, and **12.9330, 0.2608, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **30.3501, 0.2716, 0.4418**, and if you desaturate by 10%, it is **32.1001, 0.2794, 0.4024**.

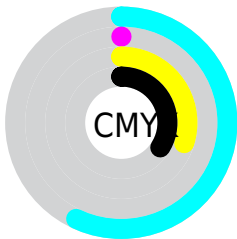
Distribution



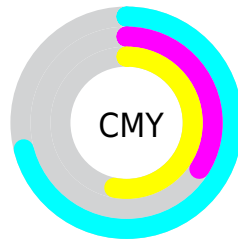
- Red (29%)
- Green (66%)
- Blue (47%)



- Red (29%)
- Yellow (54%)
- Blue (66%)



- Cyan (57%)
- Magenta (0%)
- Yellow (30%)
- Black (34%)




- Cyan (71%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1243, 0.2747, 0.4218 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 31.1243, 0.2747, 0.4218 by changing the saturation by 10% instead.


 31.1243, 0.2747,
0.4218


 31.1243, 0.2747,
0.4218


307.1106, 0.2963,
0.3696

 20.6935, 0.2683,
0.4371


 61.4357, 0.2833,
0.4012


 12.9002, 0.2593,
0.4584


 82.0851, 0.2862,
0.3940


 7.3598, 0.2460,
0.4897


 106.9096, 0.2887,
0.3881

 3.6881, 0.2243,
0.5399

 136.2934, 0.2907,
0.3832

 1.5007, 0.1620,
0.6991

 170.6210, 0.2924,
0.3790

 0.2892, 0.0000,
1.0000

210.2768, 0.2939,

 0.0000, 0.0000,

0.3754

0.0000

255.6452, 0.2952,
0.3723

■ 31.1243, 0.2747,
0.4218

■ 31.1243, 0.2747,
0.4218

■ 30.3501, 0.2716,
0.4418

■ 32.1001, 0.2794,
0.4024

■ 29.7582, 0.2702,
0.4621

■ 33.2873, 0.2853,
0.3841

■ 29.3320, 0.2708,
0.4819

■ 34.6998, 0.2921,
0.3671

■ 29.0461, 0.2732,
0.5007

■ 36.3490, 0.2996,
0.3516

■ 28.9671, 0.2741,
0.5067

■ 38.2456, 0.3074,
0.3376

■ 40.3996, 0.3153,
0.3251

■ 42.8205, 0.3232,
0.3140

■ 45.5173, 0.3309,
0.3042

■ 48.4984, 0.3384,
0.2957

Harmonies

Analogous

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



31.1243, 0.3416, 0.4567



31.1243, 0.2747, 0.4218



31.1243, 0.2216, 0.3520

Triad

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



31.1243, 0.2747, 0.4218



31.1243, 0.2205, 0.2221



31.1243, 0.4481, 0.3505

Complementary

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



31.1243, 0.2747, 0.4218



14.6408, 0.3891, 0.2552

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.



31.1243, 0.4088, 0.2994



31.1243, 0.2747, 0.4218



31.1243, 0.2719, 0.2292

Square

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



31.1243, 0.2747, 0.4218



31.1243, 0.1939, 0.2392



31.1243, 0.3412, 0.2566



31.1243, 0.4448, 0.4024

Rectangle

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



31.1243, 0.2747, 0.4218



31.1243, 0.2000, 0.3042



31.1243, 0.3412, 0.2566



31.1243, 0.4395, 0.3330

Sweetspot

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



31.1256, 0.2747, 0.4218



64.9313, 0.2992, 0.3524



33.1584, 0.3472, 0.4850



14.0236, 0.2977, 0.3553



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.1256, 0.2747, 0.4218



54.0691, 0.2711, 0.4468



32.5391, 0.2445, 0.3343



8.4653, 0.3054, 0.3410



21.6012, 0.2736, 0.5048



0.5360, 0.2559, 0.4413

Inverse Universe

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



14.6408, 0.3891, 0.2552



21.6434, 0.4154, 0.2440



13.7349, 0.4745, 0.3249



7.6052, 0.3208, 0.3173



6.8234, 0.4835, 0.2437



0.1763, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 31.1243, 0.2747, 0.4218 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 31.1243, 0.2747, 0.4218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

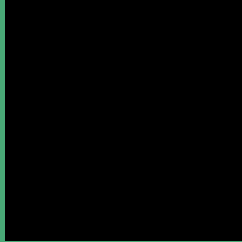
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1243, 0.2747, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 31.1243, 0.2747, 0.4218.

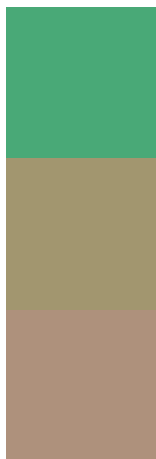


This preview shows how white text looks on a background with the Yxy color 31.1243, 0.2747, 0.4218.

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

31.1243, 0.2747, 0.4218

Protanopia

30.6418, 0.3641, 0.3891

Deuteranopia

30.7047, 0.3661, 0.3601



Tritanopia

31.1095, 0.2457, 0.3073

Trichromacy



Original Color

31.1243, 0.2747, 0.4218



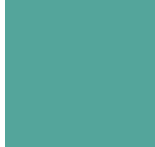
Protanomaly

30.0747, 0.3248, 0.4020



Deuteranomaly

29.8347, 0.3252, 0.3822



Tritanomaly

31.1616, 0.2559, 0.3462

Monochromacy



Original Color

31.1243, 0.2747, 0.4218



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

25.8972, 0.2943, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1243, 0.2747, 0.4218 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(73, 169, 119)` looks like.

```
.text, #text, p{  
    color:rgb(73, 169, 119)  
}
```

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(73, 169, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 169, 119) }
```

Border

The CSS property to change the border of an element to Yxy 31.1243, 0.2747, 0.4218 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(73, 169, 119) }
```

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

```
.border{ border-color:rgb(73, 169, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 169, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 169, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 169, 119);  
box-shadow:4px 4px 4px 4px rgb(73, 169,  
119) }
```


Background

The CSS property to change the background color of an element to `rgb(73, 169, 119)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 169, 119) }
```

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

```
.background{ background-color: rgb(73, 169,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor