

Converting Colors

Yxy(31.8324, 0.3396, 0.4508)

Have a look what the booklet for
Yxy(31.8324, 0.3396, 0.4508)
contains.

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Color

Yxy(31.8183, 0.3392, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	7FA45B
RGB	127, 164, 91
RGB Percent	50%, 64%, 36%
CMY	0.5018, 0.3569, 0.6431
CMYK	0.23, 0.00, 0.45, 0.36
HSL	90°, 29%, 50%
HSV	90°, 45%, 64%
XYZ	23.9201, 31.8183, 14.7808
YIQ	144.6150, 1.3810, -30.5470

Conversions

Conversions Part 2

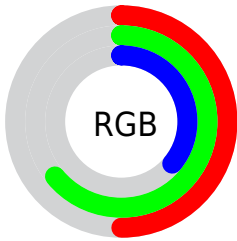
Format	Color
RYB	91, 164, 128
Decimal	8365147
CIELab	63.19, -25.67, 33.75
CIELCh	63, 42.402, 127.254
Yxy	31.8183, 0.3392, 0.4512
Android (android.graphics.Color)	4286555227 (0xFF7FA45B)
YUV	144.6150, -26.4322, -15.4484
Hunter-Lab	56.4077, -23.0191, 23.9493

Details

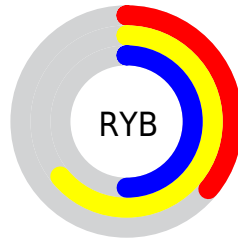
The Yxy color **31.8183, 0.3392, 0.4512** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.7520, 0.2723, 0.2077**, and the grayscale version is **28.2632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4398, 0.3357, 0.4255**, and **13.2993, 0.3427, 0.4948** is the 20% darker color. If you saturate the color by 10%, you get **30.9550, 0.3429, 0.4803**, and if you desaturate by 10%, it is **32.7989, 0.3342, 0.4217**.

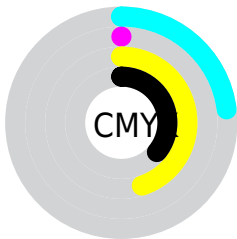
Distribution



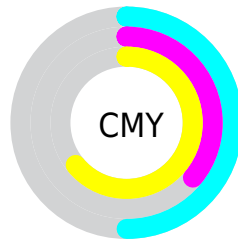
- Red (50%)
- Green (64%)
- Blue (36%)



- Red (36%)
- Yellow (64%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (45%)
- Black (36%)





- Cyan (50%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8183, 0.3392, 0.4512 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 31.8183, 0.3392, 0.4512 by changing the saturation by 10% instead.


 31.8183, 0.3392,
0.4512


 31.8183, 0.3392,
0.4512


310.2907, 0.3275,
0.3836


 21.2228, 0.3411,
0.4701


 62.5261, 0.3356,
0.4251


 13.2869, 0.3427,
0.4956


 83.4072, 0.3340,
0.4158

 7.6264, 0.3427,
0.5311


 108.4856, 0.3326,
0.4081

 3.8568, 0.3425,
0.5908

 138.1456, 0.3313,
0.4016

 1.5938, 0.3233,
0.6767

172.7718, 0.3302,
0.3961

 0.3534, 0.0000,
1.0000

212.7484, 0.3292,

 0.0000, 0.0000,

0.3914

0.0000

258.4599, 0.3283,
0.3873

■ 31.8183, 0.3392,
0.4512

■ 31.8183, 0.3392,
0.4512

■ 30.9550, 0.3429,
0.4803

■ 32.7989, 0.3342,
0.4217

■ 30.1993, 0.3450,
0.5075

■ 33.8974, 0.3284,
0.3928

■ 29.5469, 0.3450,
0.5315


■ 35.1199, 0.3221,
0.3654


■ 28.9912, 0.3430,
0.5508

■ 36.4707, 0.3156,
0.3398


■ 28.5243, 0.3389,
0.5648

■ 37.9538, 0.3092,
0.3164

 28.2962, 0.3363,
0.5712

 39.5732, 0.3029,
0.2952

 41.3326, 0.2969,
0.2761

 43.2355, 0.2912,
0.2591

 45.2853, 0.2860,
0.2439

Harmonies

Analogous

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



31.8183, 0.3998, 0.4411



31.8183, 0.3392, 0.4512



31.8183, 0.2747, 0.4164

Triad

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



31.8183, 0.3392, 0.4512



31.8183, 0.1982, 0.2417



31.8183, 0.4066, 0.3019

Complementary

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



31.8183, 0.3392, 0.4512



14.7520, 0.2723, 0.2077

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.



31.8183, 0.3422, 0.2600



31.8183, 0.3392, 0.4512



31.8183, 0.2247, 0.2256

Square

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



31.8183, 0.3392, 0.4512



31.8183, 0.1975, 0.2840



31.8183, 0.2752, 0.2329



31.8183, 0.4434, 0.3516

Rectangle

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



31.8183, 0.3392, 0.4512



31.8183, 0.2384, 0.3732



31.8183, 0.2752, 0.2329



31.8183, 0.3870, 0.2867

Sweetspot

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



31.8197, 0.3392, 0.4512



64.0474, 0.3213, 0.3620



23.9571, 0.4007, 0.3863



13.8940, 0.3227, 0.3676



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.8197, 0.3392, 0.4512



56.2658, 0.3428, 0.4788



29.5300, 0.3064, 0.4644



8.0586, 0.3187, 0.3517



21.7255, 0.3370, 0.5706



0.4846, 0.3662, 0.5474

Inverse Universe

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



14.7520, 0.2723, 0.2077



21.3960, 0.2608, 0.1805



18.0567, 0.3177, 0.2228



7.0280, 0.3062, 0.3063



3.4958, 0.2054, 0.0905



0.1015, 0.2467, 0.1132

Previews

White Background



This preview shows how the Yxy color 31.8183, 0.3392, 0.4512 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 31.8183, 0.3392, 0.4512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

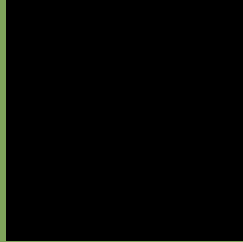
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8183, 0.3392, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 31.8183, 0.3392, 0.4512.



This preview shows how white text looks on a background with the Yxy color 31.8183, 0.3392, 0.4512.

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

31.8183, 0.3392, 0.4512

Protanopia

31.6861, 0.3908, 0.4263

Deuteranopia

31.5743, 0.4069, 0.4001



Tritanopia

31.6731, 0.2854, 0.3088

Trichromacy



Original Color

31.8183, 0.3392, 0.4512

Protanomaly

31.4939, 0.3709, 0.4364

Deuteranomaly

31.3771, 0.3800, 0.4182

Tritanomaly

31.4155, 0.3056, 0.3583

Monochromacy



Original Color

31.8183, 0.3392, 0.4512

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.3404, 0.3238, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8183, 0.3392, 0.4512 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(127, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(127, 164, 91)  
}
```

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(127, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 164, 91) }
```

Border

The CSS property to change the border of an element to Yxy 31.8183, 0.3392, 0.4512 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(127, 164, 91) }
```

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

```
.border{ border-color:rgb(127, 164, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 164, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(127, 164,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8183, 0.3392, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 164, 91) }
```

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

```
.background{ background-color: rgb(127,  
164, 91) }
```

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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