

Converting Colors

$Yxy(32.0848, 0.3395, 0.4593)$

Have a look what the booklet for
Yxy(32.0848, 0.3395, 0.4593)
contains.

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Color

Yxy(31.9584, 0.3399, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	7DA557
RGB	125, 165, 87
RGB Percent	49%, 65%, 34%
CMY	0.5097, 0.3529, 0.6588
CMYK	0.24, 0.00, 0.47, 0.35
HSL	91°, 31%, 49%
HSV	91°, 47%, 65%
XYZ	23.6350, 31.9584, 13.9418
YIQ	144.1480, 1.1980, -32.7380

Conversions

Conversions Part 2

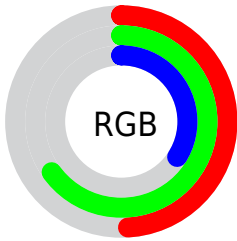
Format	Color
RYB	87, 165, 127
Decimal	8234327
CIELab	63.31, -27.43, 35.93
CIElCh	63, 45.205, 127.354
Yxy	31.9584, 0.3399, 0.4596
Android (android.graphics.Color)	4286424407 (0xFF7DA557)
YUV	144.1480, -28.1740, -16.7928
Hunter-Lab	56.5318, -24.3026, 24.9502

Details

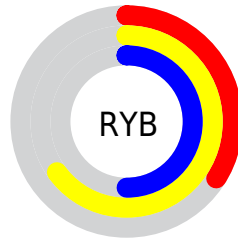
The Yxy color **31.9584, 0.3399, 0.4596** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.0466, 0.2696, 0.1998**, and the grayscale version is **28.0703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6051, 0.3365, 0.4320**, and **13.4060, 0.3435, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **31.1103, 0.3431, 0.4884**, and if you desaturate by 10%, it is **32.9252, 0.3353, 0.4300**.

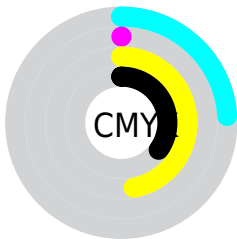
Distribution



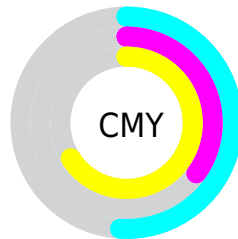
- Red (49%)
- Green (65%)
- Blue (34%)



- Red (34%)
- Yellow (65%)
- Blue (50%)



- Cyan (24%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)




- Cyan (51%)
- Magenta (35%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9584, 0.3399, 0.4596 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 31.9584, 0.3399, 0.4596 by changing the saturation by 10% instead.


 31.9584, 0.3399,
0.4596


 31.9584, 0.3399,
0.4596


310.9297, 0.3282,
0.3874

 21.3297, 0.3416,
0.4798


 62.7459, 0.3364,
0.4317


 13.3652, 0.3427,
0.5068


 83.6735, 0.3348,
0.4217


 7.6805, 0.3417,
0.5442


 108.8028, 0.3334,
0.4135

 3.8912, 0.3420,
0.6112

 138.5183, 0.3321,
0.4066

 1.6129, 0.3118,
0.6882

 173.2043, 0.3310,
0.4007

 0.3663, 0.0000,
1.0000

213.2453, 0.3300,

 0.0000, 0.0000,

0.3956

0.0000

259.0257, 0.3291,
0.3912

■ 31.9584, 0.3399,
0.4596

■ 31.9584, 0.3399,
0.4596

■ 31.1103, 0.3431,
0.4884

■ 32.9252, 0.3353,
0.4300

■ 30.3710, 0.3445,
0.5150

■ 34.0117, 0.3298,
0.4008

■ 29.7358, 0.3439,
0.5379


■ 35.2239, 0.3237,
0.3728


■ 29.1977, 0.3412,
0.5559


■ 36.5665, 0.3174,
0.3467

■ 28.7464, 0.3367,
0.5687

■ 38.0437, 0.3110,
0.3226

 28.6335, 0.3355,
0.5718

 39.6595, 0.3047,
0.3008

 41.4178, 0.2987,
0.2812

 43.3222, 0.2930,
0.2636

 45.3764, 0.2877,
0.2480

Harmonies

Analogous

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



31.9584, 0.4043, 0.4477



31.9584, 0.3399, 0.4596



31.9584, 0.2718, 0.4225

Triad

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



31.9584, 0.3399, 0.4596



31.9584, 0.1920, 0.2362



31.9584, 0.4129, 0.3001

Complementary

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



31.9584, 0.3399, 0.4596



14.0466, 0.2696, 0.1998

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.



31.9584, 0.3441, 0.2562



31.9584, 0.3399, 0.4596



31.9584, 0.2197, 0.2198

Square

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



31.9584, 0.3399, 0.4596



31.9584, 0.1910, 0.2805



31.9584, 0.2729, 0.2278



31.9584, 0.4518, 0.3522

Rectangle

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



31.9584, 0.3399, 0.4596



31.9584, 0.2335, 0.3758



31.9584, 0.2729, 0.2278



31.9584, 0.3919, 0.2842

Sweetspot

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



31.9598, 0.3399, 0.4596



63.7823, 0.3218, 0.3647



23.6109, 0.4077, 0.3897



13.8394, 0.3231, 0.3702



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.



31.9598, 0.3399, 0.4596



55.6063, 0.3433, 0.4906



29.6254, 0.3059, 0.4743



8.0565, 0.3186, 0.3517



21.6912, 0.3362, 0.5713



0.4839, 0.3655, 0.5480

Inverse Universe

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



14.0466, 0.2696, 0.1998



19.4770, 0.2564, 0.1695



17.5343, 0.3180, 0.2168



7.0301, 0.3063, 0.3063



3.5317, 0.2066, 0.0912



0.1022, 0.2476, 0.1138

Previews

White Background



This preview shows how the Yxy color 31.9584, 0.3399, 0.4596 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 31.9584, 0.3399, 0.4596 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 31.9584, 0.3399, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 31.9584, 0.3399, 0.4596.



This preview shows how white text looks on a background with the Yxy color 31.9584, 0.3399, 0.4596.

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

31.9584, 0.3399, 0.4596

Protanopia

31.7318, 0.3954, 0.4311

Deuteranopia

31.6448, 0.4110, 0.4036



Tritanopia

31.9225, 0.2846, 0.3103

Trichromacy



Original Color

31.9584, 0.3399, 0.4596

Protanomaly

31.4294, 0.3743, 0.4421

Deuteranomaly

31.3072, 0.3837, 0.4238

Tritanomaly

31.6469, 0.3055, 0.3617

Monochromacy



Original Color

31.9584, 0.3399, 0.4596

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.2049, 0.3246, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9584, 0.3399, 0.4596 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(125, 165, 87)` looks like.

```
.text, #text, p{  
    color:rgb(125, 165, 87)  
}
```

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(125, 165, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 165, 87) }
```

Border

The CSS property to change the border of an element to Yxy 31.9584, 0.3399, 0.4596 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(125, 165, 87) }
```

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

```
.border{ border-color:rgb(125, 165, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 165, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 165, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 165, 87);  
box-shadow:4px 4px 4px 4px rgb(125, 165,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9584, 0.3399, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 165, 87) }
```

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

```
.background{ background-color: rgb(125,  
165, 87) }
```

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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