

Converting Colors

$Yxy(31.8594, 0.3357, 0.4557)$

Have a look what the booklet for
Yxy(31.8594, 0.3357, 0.4557)
contains.

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Color

Yxy(31.8594, 0.3357, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	7BA55A
RGB	123, 165, 90
RGB Percent	48%, 65%, 35%
CMY	0.5176, 0.3529, 0.6471
CMYK	0.25, 0.00, 0.45, 0.35
HSL	94°, 29%, 50%
HSV	94°, 45%, 65%
XYZ	23.4698, 31.8594, 14.5839
YIQ	143.8920, -0.9570, -32.2290

Conversions

Conversions Part 2

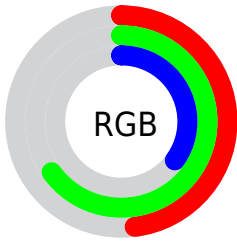
Format	Color
RYB	90, 165, 132
Decimal	8103258
CIELab	63.23, -27.81, 34.27
CIElCh	63, 44.132, 129.059
Yxy	31.8594, 0.3357, 0.4557
Android (android.graphics.Color)	4286293338 (0xFF7BA55A)
YUV	143.8920, -26.5688, -18.3223
Hunter-Lab	56.4441, -24.5558, 24.1917

Details

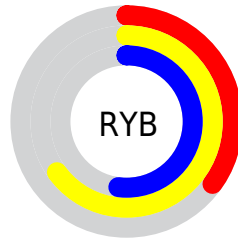
The Yxy color **31.8594, 0.3357, 0.4557** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9327, 0.2760, 0.2065**, and the grayscale version is **27.9546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4566, 0.3331, 0.4287**, and **13.3551, 0.3376, 0.5012** is the 20% darker color. If you saturate the color by 10%, you get **30.9608, 0.3385, 0.4855**, and if you desaturate by 10%, it is **32.8874, 0.3317, 0.4255**.

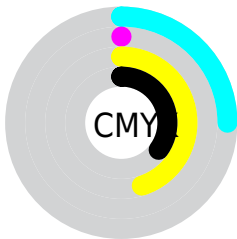
Distribution



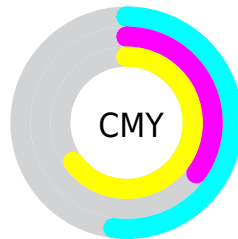
- Red (48%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (52%)



- Cyan (25%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)





- Cyan (52%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8594, 0.3357, 0.4557 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 31.8594, 0.3357, 0.4557 by changing the saturation by 10% instead.

 31.8594, 0.3357,
0.4557


 31.8594, 0.3357,
0.4557


310.4783, 0.3260,
0.3855

 21.2541, 0.3370,
0.4755


 62.5906, 0.3329,
0.4285

 13.3099, 0.3376,
0.5021


 83.4853, 0.3316,
0.4188

 7.6423, 0.3363,
0.5393

 108.5787, 0.3304,
0.4108

 3.8669, 0.3342,
0.6028

 138.2550, 0.3294,
0.4041

 1.5994, 0.3083,
0.6917

172.8987, 0.3284,
0.3984

 0.3572, 0.0000,
1.0000

212.8943, 0.3275,

 0.0000, 0.0000,

0.3935

0.0000

258.6260, 0.3267,
0.3892

■ 31.8594, 0.3357,
0.4557

■ 31.8594, 0.3357,
0.4557

■ 30.9608, 0.3385,
0.4855

■ 32.8874, 0.3317,
0.4255

■ 30.1815, 0.3396,
0.5134

■ 34.0463, 0.3268,
0.3960

■ 29.5164, 0.3389,
0.5378


■ 35.3424, 0.3214,
0.3681


■ 28.9582, 0.3361,
0.5574

■ 36.7806, 0.3158,
0.3422


■ 28.4978, 0.3316,
0.5713


■ 38.3655, 0.3102,
0.3186

 28.3129, 0.3294,
0.5766

 40.1015, 0.3046,
0.2972

 41.9926, 0.2993,
0.2781

 44.0429, 0.2943,
0.2611

 46.2562, 0.2896,
0.2460

Harmonies

Analogous

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



31.8594, 0.3994, 0.4469



31.8594, 0.3357, 0.4557



31.8594, 0.2693, 0.4167

Triad

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



31.8594, 0.3357, 0.4557



31.8594, 0.1951, 0.2366



31.8594, 0.4137, 0.3036

Complementary

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



31.8594, 0.3357, 0.4557



14.9327, 0.2760, 0.2065

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.



31.8594, 0.3476, 0.2598



31.8594, 0.3357, 0.4557



31.8594, 0.2239, 0.2218

Square

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



31.8594, 0.3357, 0.4557



31.8594, 0.1928, 0.2785



31.8594, 0.2774, 0.2308



31.8594, 0.4496, 0.3551

Rectangle

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



31.8594, 0.3357, 0.4557



31.8594, 0.2325, 0.3705



31.8594, 0.2774, 0.2308



31.8594, 0.3939, 0.2878

Sweetspot

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



31.8608, 0.3357, 0.4557



63.5900, 0.3208, 0.3649



25.0372, 0.4005, 0.3930



13.7920, 0.3219, 0.3704



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.



31.8608, 0.3357, 0.4557



55.3650, 0.3386, 0.4871



29.8880, 0.3036, 0.4610



8.0404, 0.3180, 0.3518



21.4472, 0.3302, 0.5761



0.4785, 0.3603, 0.5521

Inverse Universe

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



14.9327, 0.2760, 0.2065



21.0199, 0.2645, 0.1773



17.8932, 0.3225, 0.2252



7.0463, 0.3071, 0.3064



3.8210, 0.2162, 0.0965



0.1077, 0.2547, 0.1177

Previews

White Background



This preview shows how the Yxy color 31.8594, 0.3357, 0.4557 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 31.8594, 0.3357, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

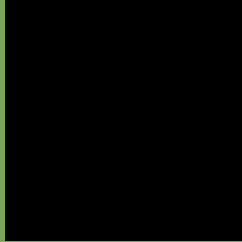
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8594, 0.3357, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 31.8594, 0.3357, 0.4557.



This preview shows how white text looks on a background with the Yxy color 31.8594, 0.3357, 0.4557.

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

31.8594, 0.3357, 0.4557

Protanopia

31.7792, 0.3928, 0.4272

Deuteranopia

31.5743, 0.4069, 0.4001



Tritanopia

31.7550, 0.2828, 0.3103

Trichromacy



Original Color

31.8594, 0.3357, 0.4557

Protanomaly

31.4775, 0.3718, 0.4379

Deuteranomaly

31.2542, 0.3798, 0.4200

Tritanomaly

31.5150, 0.3027, 0.3602

Monochromacy



Original Color

31.8594, 0.3357, 0.4557

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1459, 0.3227, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8594, 0.3357, 0.4557 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(123, 165, 90)` looks like.

```
.text, #text, p{  
    color:rgb(123, 165, 90)  
}
```

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(123, 165, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 165, 90) }
```

Border

The CSS property to change the border of an element to Yxy 31.8594, 0.3357, 0.4557 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(123, 165, 90) }
```

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

```
.border{ border-color:rgb(123, 165, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 165, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 165, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 165, 90);  
box-shadow:4px 4px 4px 4px rgb(123, 165,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8594, 0.3357, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 165, 90) }
```

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

```
.background{ background-color: rgb(123,  
165, 90) }
```

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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