

Converting Colors

$Yxy(31.7268, 0.3632, 0.4481)$

Have a look what the booklet for
Yxy(31.7268, 0.3632, 0.4481)
contains.

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Color

Yxy(31.7268, 0.3632, 0.4481)

Conversions

Conversions Part 1

Format	Color
Hex	90A055
RGB	144, 160, 85
RGB Percent	56%, 63%, 33%
CMY	0.4352, 0.3726, 0.6667
CMYK	0.10, 0.00, 0.47, 0.37
HSL	73°, 31%, 48%
HSV	73°, 47%, 63%
XYZ	25.7156, 31.7268, 13.3605
YIQ	146.6660, 14.5390, -26.7170

Conversions

Conversions Part 2

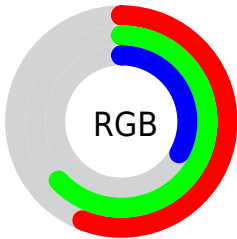
Format	Color
RYB	85, 160, 101
Decimal	9478229
CIELab	63.12, -17.63, 37.02
CIElCh	63, 41.007, 115.465
Yxy	31.7268, 0.3632, 0.4481
Android (android.graphics.Color)	4287668309 (0xFF90A055)
YUV	146.6660, -30.4013, -2.3381
Hunter-Lab	56.3265, -17.0781, 25.3651

Details

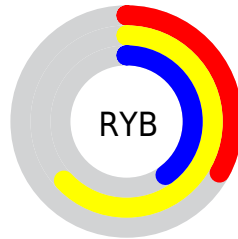
The Yxy color **31.7268, 0.3632, 0.4481** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.7978, 0.2432, 0.1918**, and the grayscale version is **29.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5206, 0.3547, 0.4241**, and **13.3400, 0.3744, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **31.1999, 0.3715, 0.4719**, and if you desaturate by 10%, it is **32.3233, 0.3534, 0.4227**.

Distribution



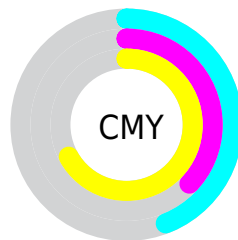
- Red (56%)
- Green (63%)
- Blue (33%)



- Red (33%)
- Yellow (63%)
- Blue (40%)



- Cyan (10%)
- Magenta (0%)
- Yellow (47%)
- Black (37%)



- Cyan (44%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7268, 0.3632, 0.4481 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 31.7268, 0.3632, 0.4481 by changing the saturation by 10% instead.

 31.7268, 0.3632,
0.4481


 31.7268, 0.3632,
0.4481


309.8729, 0.3387,
0.3835

 21.1529, 0.3685,
0.4655


 62.3826, 0.3548,
0.4236


 13.2358, 0.3743,
0.4884

 83.2332, 0.3514,
0.4146


 7.5911, 0.3801,
0.5191


 108.2782, 0.3485,
0.4072

 3.8345, 0.3935,
0.5767

 137.9020, 0.3460,
0.4010

 1.5814, 0.3764,
0.6236

 172.4890, 0.3438,
0.3956

 0.3450, 0.0000,
1.0000

212.4235, 0.3419,

 0.0000, 0.0000,

0.3910

0.0000

258.0900, 0.3402,
0.3870

■ 31.7268, 0.3632,
0.4481

■ 31.7268, 0.3632,
0.4481

■ 31.1999, 0.3715,
0.4719

■ 32.3233, 0.3534,
0.4227

■ 30.7343, 0.3779,
0.4929

■ 32.9888, 0.3427,
0.3965

■ 30.3269, 0.3820,
0.5102


■ 33.7280, 0.3316,
0.3706

■ 29.9726, 0.3836,
0.5232

■ 34.5441, 0.3203,
0.3455

■ 29.6635, 0.3829,
0.5320

■ 35.4400, 0.3093,
0.3217

 29.5714, 0.3825,
0.5345

 36.4184, 0.2987,
0.2996

 37.4819, 0.2888,
0.2792

 38.6331, 0.2794,
0.2605

 39.8743, 0.2708,
0.2436

Harmonies

Analogous

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



31.7268, 0.4158, 0.4252



31.7268, 0.3632, 0.4481



31.7268, 0.3000, 0.4317

Triad

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



31.7268, 0.3632, 0.4481



31.7268, 0.1980, 0.2575



31.7268, 0.3810, 0.2855

Complementary

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



31.7268, 0.3632, 0.4481



11.7978, 0.2432, 0.1918

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.



31.7268, 0.3149, 0.2495



31.7268, 0.3632, 0.4481



31.7268, 0.2141, 0.2318

Square

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



31.7268, 0.3632, 0.4481



31.7268, 0.2077, 0.3085



31.7268, 0.2546, 0.2302



31.7268, 0.4297, 0.3318

Rectangle

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



31.7268, 0.3632, 0.4481



31.7268, 0.2606, 0.3974



31.7268, 0.2546, 0.2302



31.7268, 0.3597, 0.2720

Sweetspot

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



31.7282, 0.3632, 0.4481



61.6162, 0.3286, 0.3639



17.2418, 0.4243, 0.3536



13.4494, 0.3309, 0.3691



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.7282, 0.3632, 0.4481



56.6345, 0.3717, 0.4723



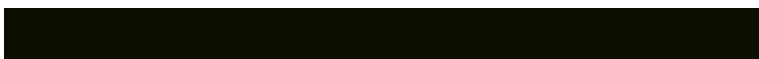
28.9527, 0.3259, 0.4640



7.6491, 0.3230, 0.3513



23.0561, 0.3829, 0.5342



0.4287, 0.3985, 0.5218

Inverse Universe

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



11.7978, 0.2432, 0.1918



16.0405, 0.2245, 0.1588



14.3938, 0.2882, 0.2075



6.4999, 0.3019, 0.3061



2.2592, 0.1624, 0.0668



0.0564, 0.1978, 0.0863

Previews

White Background



This preview shows how the Yxy color 31.7268, 0.3632, 0.4481 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 31.7268, 0.3632, 0.4481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

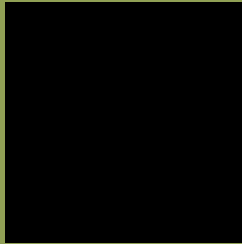
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7268, 0.3632, 0.4481

Background



This preview shows how black text looks on a background with the Yxy color 31.7268, 0.3632, 0.4481.



This preview shows how white text looks on a background with the Yxy color 31.7268, 0.3632, 0.4481.

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

31.7268, 0.3632, 0.4481

Protanopia

31.7165, 0.3962, 0.4324

Deuteranopia

31.7015, 0.4159, 0.4083



Tritanopia

31.5499, 0.3036, 0.3109

Trichromacy



Original Color

31.7268, 0.3632, 0.4481

Protanomaly

31.7724, 0.3834, 0.4390

Deuteranomaly

31.4793, 0.3966, 0.4220

Tritanomaly

31.3445, 0.3265, 0.3590

Monochromacy



Original Color

31.7268, 0.3632, 0.4481

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.0227, 0.3332, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7268, 0.3632, 0.4481 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(144, 160, 85)` looks like.

```
.text, #text, p{  
    color:rgb(144, 160, 85)  
}
```

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(144, 160, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 160, 85) }
```

Border

The CSS property to change the border of an element to Yxy 31.7268, 0.3632, 0.4481 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(144, 160, 85) }
```

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

```
.border{ border-color:rgb(144, 160, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 160, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 160, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 160, 85);  
box-shadow:4px 4px 4px 4px rgb(144, 160,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7268, 0.3632, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 160, 85) }
```

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

```
.background{ background-color: rgb(144,  
160, 85) }
```

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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