

Converting Colors

$Y_{xy}(30.9279, 0.3551, 0.3591)$

Have a look what the booklet for
Yxy(30.9279, 0.3551, 0.3591)
contains.

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Color

Yxy(31.0632, 0.3542, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	A89480
RGB	168, 148, 128
RGB Percent	66%, 58%, 50%
CMY	0.3410, 0.4196, 0.4981
CMYK	0.00, 0.12, 0.24, 0.34
HSL	30°, 19%, 58%
HSV	30°, 24%, 66%
XYZ	30.6393, 31.0632, 24.8004
YIQ	151.7000, 18.3400, -1.9800

Conversions

Conversions Part 2

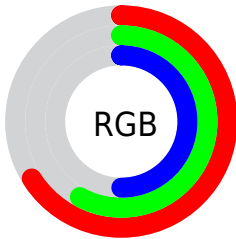
Format	Color
RYB	168, 168, 128
Decimal	11048064
CIELab	62.56, 4.21, 13.31
CIELCh	63, 13.958, 72.450
Yxy	31.0632, 0.3542, 0.3591
Android (android.graphics.Color)	4289238144 (0xFFA89480)
YUV	151.7000, -11.6841, 14.2951
Hunter-Lab	55.7344, 0.5932, 12.6315

Details

The Yxy color **31.0632, 0.3542, 0.3591** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.6070, 0.2757, 0.2969**, and the grayscale version is **31.3106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4245, 0.3459, 0.3530**, and **12.7587, 0.3676, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **28.1151, 0.3756, 0.3724**, and if you desaturate by 10%, it is **34.2791, 0.3352, 0.3460**.

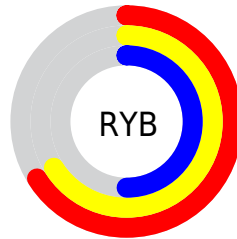
Distribution



Red (66%)

Green (58%)

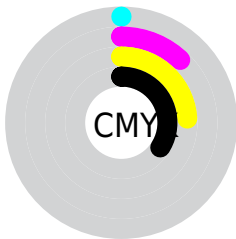
Blue (50%)



Red (66%)

Yellow (66%)

Blue (50%)

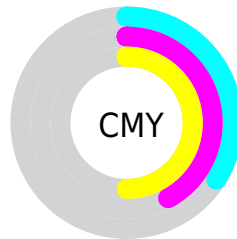


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (34%)



Cyan (34%)


Magenta (42%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0632, 0.3542, 0.3591 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 31.0632, 0.3542, 0.3591 by changing the saturation by 10% instead.


 31.0632, 0.3542,
0.3591

 31.0632, 0.3542,
0.3591


306.8294, 0.3320,
0.3433

 20.6470, 0.3603,
0.3633


 61.3396, 0.3458,
0.3532

 12.8662, 0.3684,
0.3688


 81.9685, 0.3427,
0.3510

 7.3365, 0.3798,
0.3764


 106.7704, 0.3402,
0.3492

 3.6734, 0.3968,
0.3874

136.1298, 0.3380,
0.3476

 1.4926, 0.4305,
0.4094

170.4310, 0.3362,
0.3463

 0.2835, 0.5676,
0.4324

210.0584, 0.3346,

 0.0000, 0.0000,

0.3452

0.0000

255.3964, 0.3332,
0.3442

■ 31.0632, 0.3542,
0.3591

■ 31.0632, 0.3542,
0.3591

■ 28.1151, 0.3756,
0.3724

■ 34.2791, 0.3352,
0.3460

■ 25.4230, 0.3992,
0.3855

■ 37.7658, 0.3185,
0.3336

■ 22.9801, 0.4249,
0.3974

■ 41.5317, 0.3039,
0.3219

■ 20.7778, 0.4519,
0.4074

■ 45.5835, 0.2912,
0.3110

■ 18.8069, 0.4789,
0.4140

■ 49.9276, 0.2801,
0.3010

■ 17.0571, 0.5045,
0.4162

■ 54.5702, 0.2704,
0.2918

■ 15.5169, 0.5270,
0.4131

■ 59.5173, 0.2620,
0.2834

■ 14.6590, 0.5398,
0.4096

■ 64.2876, 0.2583,
0.2835

■ 68.6884, 0.2596,
0.2934

Harmonies

Analogous

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



31.0632, 0.3565, 0.3428



31.0632, 0.3542, 0.3591



31.0632, 0.3405, 0.3680

Triad

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



31.0632, 0.3542, 0.3591



31.0632, 0.2798, 0.3330



31.0632, 0.3046, 0.2951

Complementary

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



31.0632, 0.3542, 0.3591



28.6070, 0.2757, 0.2969

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.



31.0632, 0.2847, 0.2917



31.0632, 0.3542, 0.3591



31.0632, 0.2709, 0.3126

Square

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



31.0632, 0.3542, 0.3591



31.0632, 0.2975, 0.3530



31.0632, 0.2726, 0.2978



31.0632, 0.3272, 0.3067

Rectangle

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



31.0632, 0.3542, 0.3591



31.0632, 0.3271, 0.3680



31.0632, 0.2726, 0.2978



31.0632, 0.2974, 0.2930

Sweetspot

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



31.0646, 0.3542, 0.3591



66.3596, 0.3238, 0.3376



25.9248, 0.3366, 0.2981



14.3859, 0.3247, 0.3383



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.



31.0646, 0.3542, 0.3591



53.2377, 0.3661, 0.3667



37.6582, 0.3481, 0.3863



8.1382, 0.3274, 0.3403



11.1680, 0.5383, 0.4108



0.3742, 0.4894, 0.4496

Inverse Universe

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



28.6070, 0.2757, 0.2969



47.9354, 0.2665, 0.2880



23.0284, 0.2731, 0.2645



7.8976, 0.2987, 0.3174



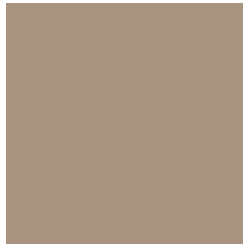
7.0353, 0.1780, 0.1608



0.2736, 0.1949, 0.2215

Previews

White Background



This preview shows how the Yxy color 31.0632, 0.3542, 0.3591 looks on a white background.

Color Contrast Check

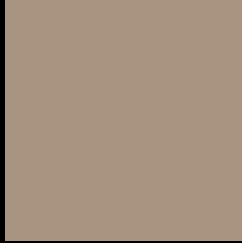
Large Text (above 18pt) WCAG AA × Fail

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 31.0632, 0.3542, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

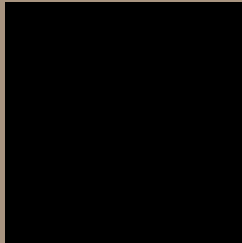
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0632, 0.3542, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 31.0632, 0.3542, 0.3591.



This preview shows how white text looks on a background with the Yxy color 31.0632, 0.3542, 0.3591.

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

31.0632, 0.3542, 0.3591

Protanopia

31.0891, 0.3424, 0.3630

Deuteranopia

31.1150, 0.3615, 0.3556



Tritanopia

30.9710, 0.3304, 0.3131

Trichromacy



Original Color

31.0632, 0.3542, 0.3591

Protanomaly

31.0791, 0.3460, 0.3612

Deuteranomaly

31.1966, 0.3589, 0.3572

Tritanomaly

30.8412, 0.3395, 0.3291

Monochromacy



Original Color

31.0632, 0.3542, 0.3591

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.3855, 0.3276, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0632, 0.3542, 0.3591 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(168, 148, 128)` looks like.

```
.text, #text, p{  
    color:rgb(168, 148, 128)  
}
```

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(168, 148, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 148, 128) }
```

Border

The CSS property to change the border of an element to Yxy 31.0632, 0.3542, 0.3591 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(168, 148, 128) }
```

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

```
.border{ border-color:rgb(168, 148, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 148, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 148, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 148, 128);  
box-shadow:4px 4px 4px 4px rgb(168, 148,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0632, 0.3542, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 148, 128) }
```

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

```
.background{ background-color: rgb(168,  
148, 128) }
```

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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