

Converting Colors

$Yxy(36.6891, 0.3151, 0.3902)$

Have a look what the booklet for
Yxy(36.6891, 0.3151, 0.3902)
contains.

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Color

Yxy(36.6875, 0.3151, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	8BAC85
RGB	139, 172, 133
RGB Percent	55%, 67%, 52%
CMY	0.4551, 0.3254, 0.4784
CMYK	0.19, 0.00, 0.23, 0.33
HSL	111°, 19%, 60%
HSV	111°, 23%, 67%
XYZ	29.6264, 36.6875, 27.7084
YIQ	157.6870, -7.1490, -19.1250

Conversions

Conversions Part 2

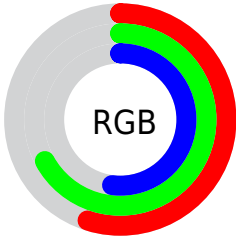
Format	Color
RYB	133, 172, 166
Decimal	9153669
CIELab	67.04, -18.93, 16.44
CIElCh	67, 25.066, 139.028
Yxy	36.6875, 0.3151, 0.3902
Android (android.graphics.Color)	4287343749 (0xFF8BAC85)
YUV	157.6870, -12.1707, -16.3885
Hunter-Lab	60.5702, -18.6890, 15.2764

Details

The Yxy color **36.6875, 0.3151, 0.3902** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.8677, 0.3090, 0.2727**, and the grayscale version is **34.0976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8208, 0.3153, 0.3774**, and **16.1322, 0.3148, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **35.0800, 0.3157, 0.4217**, and if you desaturate by 10%, it is **38.5433, 0.3142, 0.3613**.

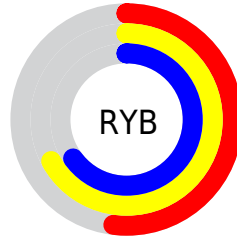
Distribution



Red (55%)

Green (67%)

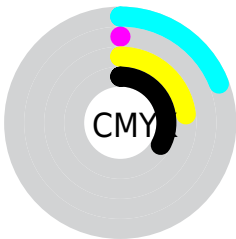
Blue (52%)



Red (52%)

Yellow (67%)

Blue (65%)

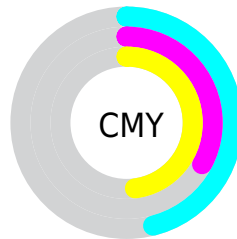


Cyan (19%)

Magenta (0%)

Yellow (23%)

Black (33%)



Cyan (46%)


Magenta (33%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6875, 0.3151, 0.3902 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 36.6875, 0.3151, 0.3902 by changing the saturation by 10% instead.


 36.6875, 0.3151,
0.3902


 36.6875, 0.3151,
0.3902


331.9556, 0.3144,
0.3573


 24.9656, 0.3150,
0.3992


 70.0919, 0.3150,
0.3777

 16.0514, 0.3148,
0.4113


 92.5432, 0.3149,
0.3731

 9.5606, 0.3142,
0.4284


 119.3398, 0.3148,
0.3694

 5.1086, 0.3126,
0.4541

150.8660, 0.3147,
0.3662

 2.3111, 0.3081,
0.4972

187.5064, 0.3147,
0.3635

 0.7796, 0.2635,
0.7365

229.6451, 0.3146,

 0.0000, 0.0000,

0.3612

0.0000

277.6667, 0.3145,
0.3591

■ 36.6875, 0.3151,
0.3902

■ 36.6875, 0.3151,
0.3902

■ 35.0800, 0.3157,
0.4217

■ 38.5433, 0.3142,
0.3613

■ 33.7059, 0.3158,
0.4550

■ 40.6525, 0.3130,
0.3354

■ 32.5554, 0.3153,
0.4889


■ 43.0259, 0.3118,
0.3125


■ 31.6167, 0.3141,
0.5214


■ 45.6722, 0.3105,
0.2924


■ 30.8765, 0.3122,
0.5502

■ 48.5998, 0.3091,
0.2749


 30.3202, 0.3096,
0.5732

 51.8166, 0.3079,
0.2597

 29.9308, 0.3066,
0.5887

 55.3303, 0.3066,
0.2465

 29.7340, 0.3046,
0.5963

 57.9915, 0.3165,
0.2479

Harmonies

Analogous

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



36.6875, 0.3520, 0.3969



36.6875, 0.3151, 0.3902



36.6875, 0.2790, 0.3635

Triad

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



36.6875, 0.3151, 0.3902



36.6875, 0.2491, 0.2728



36.6875, 0.3759, 0.3263

Complementary

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



36.6875, 0.3151, 0.3902



27.8677, 0.3090, 0.2727

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.



36.6875, 0.3452, 0.2975



36.6875, 0.3151, 0.3902



36.6875, 0.2719, 0.2673

Square

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



36.6875, 0.3151, 0.3902



36.6875, 0.2424, 0.2936



36.6875, 0.3066, 0.2764



36.6875, 0.3885, 0.3573

Rectangle

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



36.6875, 0.3151, 0.3902



36.6875, 0.2601, 0.3393



36.6875, 0.3066, 0.2764



36.6875, 0.3672, 0.3161

Sweetspot

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



36.6891, 0.3151, 0.3902



71.9765, 0.3136, 0.3466



37.5618, 0.3481, 0.3757



15.5949, 0.3136, 0.3480



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.6891, 0.3151, 0.3902



65.0899, 0.3154, 0.4050



36.5732, 0.2995, 0.3699



8.9958, 0.3138, 0.3523



22.1380, 0.3050, 0.5960



0.6334, 0.3214, 0.5830

Inverse Universe

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



27.8677, 0.3090, 0.2727



46.3591, 0.3079, 0.2604



28.0502, 0.3289, 0.2914



8.0853, 0.3114, 0.3065



6.7682, 0.2833, 0.1334



0.2047, 0.2954, 0.1401

Previews

White Background



This preview shows how the Yxy color 36.6875, 0.3151, 0.3902 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 36.6875, 0.3151, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

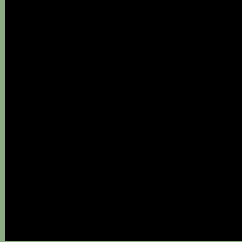
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

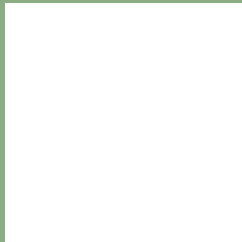
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6875, 0.3151, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 36.6875, 0.3151, 0.3902.



This preview shows how white text looks on a background with the Yxy color 36.6875, 0.3151, 0.3902.

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

36.6875, 0.3151, 0.3902

Protanopia

36.2834, 0.3548, 0.3781

Deuteranopia

36.5829, 0.3643, 0.3579



Tritanopia

36.7302, 0.2853, 0.3100

Trichromacy



Original Color

36.6875, 0.3151, 0.3902

Protanomaly

36.4612, 0.3397, 0.3827

Deuteranomaly

36.1360, 0.3452, 0.3683

Tritanomaly

36.5432, 0.2962, 0.3380

Monochromacy



Original Color

36.6875, 0.3151, 0.3902

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.9436, 0.3136, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6875, 0.3151, 0.3902 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(139, 172, 133)` looks like.

```
.text, #text, p{  
    color:rgb(139, 172, 133)  
}
```

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(139, 172, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 172, 133) }
```

Border

The CSS property to change the border of an element to Yxy 36.6875, 0.3151, 0.3902 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(139, 172, 133) }
```

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

```
.border{ border-color:rgb(139, 172, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 172, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 172, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 172, 133);  
box-shadow:4px 4px 4px 4px rgb(139, 172,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6875, 0.3151, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 172, 133) }
```

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

```
.background{ background-color: rgb(139,  
172, 133) }
```

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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