

Converting Colors

$Yxy(36.4985, 0.3223, 0.4307)$

Have a look what the booklet for
Yxy(36.4985, 0.3223, 0.4307)
contains.

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Color

Yxy(36.4969, 0.3223, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	81AF70
RGB	129, 175, 112
RGB Percent	51%, 69%, 44%
CMY	0.4940, 0.3137, 0.5608
CMYK	0.26, 0.00, 0.36, 0.31
HSL	104°, 28%, 56%
HSV	104°, 36%, 69%
XYZ	27.3112, 36.4969, 20.9304
YIQ	154.0640, -7.1930, -29.3450

Conversions

Conversions Part 2

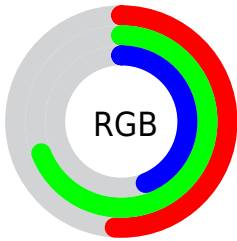
Format	Color
RYB	112, 175, 158
Decimal	8499056
CIELab	66.90, -27.38, 27.50
CIELCh	67, 38.805, 134.869
Yxy	36.4969, 0.3223, 0.4307
Android (android.graphics.Color)	4286689136 (0xFF81AF70)
YUV	154.0640, -20.7376, -21.9811
Hunter-Lab	60.4127, -25.0262, 21.7474

Details

The Yxy color **36.4969, 0.3223, 0.4307** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.9448, 0.2973, 0.2362**, and the grayscale version is **32.4428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8994, 0.3216, 0.4101**, and **15.8976, 0.3227, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **35.2075, 0.3237, 0.4631**, and if you desaturate by 10%, it is **37.9901, 0.3201, 0.3995**.

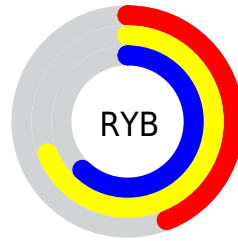
Distribution



Red (51%)

Green (69%)

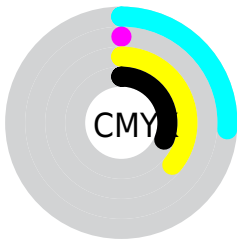
Blue (44%)



Red (44%)

Yellow (69%)

Blue (62%)

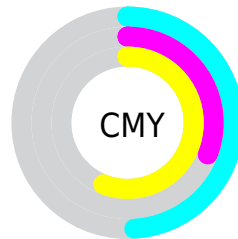


Cyan (26%)

Magenta (0%)

Yellow (36%)

Black (31%)



Cyan (49%)


Magenta (31%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4969, 0.3223, 0.4307 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 36.4969, 0.3223, 0.4307 by changing the saturation by 10% instead.


 36.4969, 0.3223,
0.4307


 36.4969, 0.3223,
0.4307


331.1272, 0.3189,
0.3754


 24.8182, 0.3225,
0.4460


 69.7983, 0.3215,
0.4095


 15.9417, 0.3222,
0.4665


 92.1899, 0.3211,
0.4019

 9.4829, 0.3208,
0.4954


 118.9211, 0.3206,
0.3956

 5.0575, 0.3164,
0.5383

 150.3765, 0.3202,
0.3902

 2.2810, 0.3223,
0.6454

186.9404, 0.3199,
0.3857

 0.7636, 0.0700,
0.9300

228.9972, 0.3195,

 0.0000, 0.0000,

0.3818

0.0000

276.9314, 0.3192,
0.3784

■ 36.4969, 0.3223,
0.4307

■ 36.4969, 0.3223,
0.4307

■ 35.2075, 0.3237,
0.4631

■ 37.9901, 0.3201,
0.3995

■ 34.1082, 0.3242,
0.4954

■ 39.6908, 0.3175,
0.3703

■ 33.1908, 0.3234,
0.5256


■ 41.6085, 0.3145,
0.3437

■ 32.4447, 0.3213,
0.5519


■ 43.7506, 0.3115,
0.3198


■ 31.8580, 0.3179,
0.5724

■ 46.1243, 0.3084,
0.2985

 31.4162, 0.3136,
0.5861

 48.7364, 0.3054,
0.2798

 31.2716, 0.3119,
0.5905

 51.5933, 0.3026,
0.2633

 54.7013, 0.2999,
0.2489

 57.0980, 0.3077,
0.2486

Harmonies

Analogous

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



36.4969, 0.3780, 0.4329



36.4969, 0.3223, 0.4307



36.4969, 0.2668, 0.3914

Triad

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



36.4969, 0.3223, 0.4307



36.4969, 0.2147, 0.2463



36.4969, 0.4059, 0.3166

Complementary

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



36.4969, 0.3223, 0.4307



21.9448, 0.2973, 0.2362

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.



36.4969, 0.3542, 0.2763



36.4969, 0.3223, 0.4307



36.4969, 0.2444, 0.2368

Square

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



36.4969, 0.3223, 0.4307



36.4969, 0.2082, 0.2786



36.4969, 0.2942, 0.2480



36.4969, 0.4298, 0.3620

Rectangle

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



36.4969, 0.3223, 0.4307



36.4969, 0.2374, 0.3521



36.4969, 0.2942, 0.2480



36.4969, 0.3909, 0.3022

Sweetspot

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



36.4985, 0.3223, 0.4307



72.6918, 0.3161, 0.3571



34.4462, 0.3740, 0.3942



16.0566, 0.3165, 0.3607



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.4985, 0.3223, 0.4307



63.5499, 0.3235, 0.4557



35.6000, 0.2978, 0.4116



9.0403, 0.3155, 0.3521



22.4220, 0.3126, 0.5900



0.6509, 0.3362, 0.5712

Inverse Universe

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



21.9448, 0.2973, 0.2362



33.6940, 0.2928, 0.2158



23.2848, 0.3326, 0.2587



8.0375, 0.3096, 0.3064



5.5152, 0.2544, 0.1175



0.1785, 0.2756, 0.1292

Previews

White Background



This preview shows how the Yxy color 36.4969, 0.3223, 0.4307 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 36.4969, 0.3223, 0.4307 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 36.4969, 0.3223, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 36.4969, 0.3223, 0.4307.



This preview shows how white text looks on a background with the Yxy color 36.4969, 0.3223, 0.4307.

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

36.4969, 0.3223, 0.4307

Protanopia

36.1323, 0.3773, 0.4072

Deuteranopia

36.0411, 0.3903, 0.3816



Tritanopia

36.5082, 0.2789, 0.3097

Trichromacy



Original Color

36.4969, 0.3223, 0.4307

Protanomaly

36.1125, 0.3557, 0.4160

Deuteranomaly

35.6245, 0.3638, 0.3976

Tritanomaly

36.3502, 0.2950, 0.3522

Monochromacy



Original Color

36.4969, 0.3223, 0.4307

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7245, 0.3167, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4969, 0.3223, 0.4307 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(129, 175, 112)` looks like.

```
.text, #text, p{  
    color:rgb(129, 175, 112)  
}
```

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(129, 175, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 175, 112) }
```

Border

The CSS property to change the border of an element to Yxy 36.4969, 0.3223, 0.4307 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(129, 175, 112) }
```

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

```
.border{ border-color:rgb(129, 175, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 175, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 175, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 175, 112);  
box-shadow:4px 4px 4px 4px rgb(129, 175,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4969, 0.3223, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 175, 112) }
```

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

```
.background{ background-color: rgb(129,  
175, 112) }
```

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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