

Converting Colors

Yxy(36.4759, 0.3312, 0.4085)

Have a look what the booklet for
Yxy(36.4759, 0.3312, 0.4085)
contains.

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Color

Yxy(36.5016, 0.3315, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	91AB78
RGB	145, 171, 120
RGB Percent	57%, 67%, 47%
CMY	0.4314, 0.3294, 0.5295
CMYK	0.15, 0.00, 0.30, 0.33
HSL	91°, 23%, 57%
HSV	91°, 30%, 67%
XYZ	29.6285, 36.5016, 23.2470
YIQ	157.4120, 0.8750, -21.3730

Conversions

Conversions Part 2

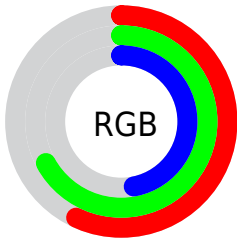
Format	Color
RYB	120, 171, 146
Decimal	9546616
CIELab	66.90, -18.31, 23.40
CIELCh	67, 29.712, 128.049
Yxy	36.5016, 0.3315, 0.4084
Android (android.graphics.Color)	4287736696 (0xFF91AB78)
YUV	157.4120, -18.4441, -10.8853
Hunter-Lab	60.4166, -18.1919, 19.4781

Details

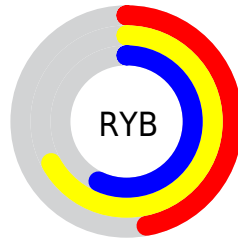
The Yxy color **36.5016, 0.3315, 0.4084** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.4795, 0.2883, 0.2500**, and the grayscale version is **33.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5520, 0.3280, 0.3913**, and **16.0283, 0.3358, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **35.3627, 0.3369, 0.4379**, and if you desaturate by 10%, it is **37.7786, 0.3255, 0.3800**.

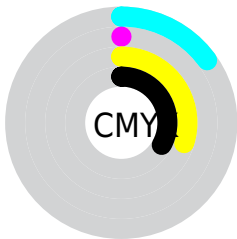
Distribution



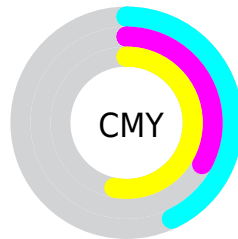
- Red (57%)
- Green (67%)
- Blue (47%)



- Red (47%)
- Yellow (67%)
- Blue (57%)



- Cyan (15%)
- Magenta (0%)
- Yellow (30%)
- Black (33%)





- Cyan (43%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5016, 0.3315, 0.4084 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 36.5016, 0.3315, 0.4084 by changing the saturation by 10% instead.


 36.5016, 0.3315,
0.4084


 36.5016, 0.3315,
0.4084


331.1477, 0.3226,
0.3657

 24.8218, 0.3334,
0.4200


 69.8056, 0.3285,
0.3922

 15.9444, 0.3357,
0.4356


 92.1986, 0.3273,
0.3863

 9.4848, 0.3381,
0.4573


 118.9314, 0.3262,
0.3814

 5.0587, 0.3402,
0.4895

150.3886, 0.3253,
0.3773

 2.2818, 0.3480,
0.5544

186.9544, 0.3245,
0.3738

 0.7640, 0.2676,
0.7324

229.0132, 0.3238,

 0.0000, 0.0000,

0.3707

0.0000

276.9495, 0.3232,
0.3681

■ 36.5016, 0.3315,
0.4084

■ 36.5016, 0.3315,
0.4084

■ 35.3627, 0.3369,
0.4379

■ 37.7786, 0.3255,
0.3800

■ 34.3518, 0.3412,
0.4674

■ 39.1940, 0.3191,
0.3533

■ 33.4648, 0.3440,
0.4958

■ 40.7539, 0.3126,
0.3286

■ 32.6954, 0.3449,
0.5216

■ 42.4628, 0.3063,
0.3062

■ 32.0368, 0.3438,
0.5432

■ 44.3250, 0.3001,
0.2859

■ 31.4809, 0.3405,
0.5597

■ 46.3445, 0.2943,
0.2678

■ 31.0124, 0.3357,
0.5715

■ 48.5252, 0.2888,
0.2516

■ 31.0053, 0.3357,
0.5717

■ 50.7553, 0.2850,
0.2388

■ 52.1082, 0.2917,
0.2405

Harmonies

Analogous

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



36.5016, 0.3726, 0.4060



36.5016, 0.3315, 0.4084



36.5016, 0.2872, 0.3844

Triad

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



36.5016, 0.3315, 0.4084



36.5016, 0.2329, 0.2694



36.5016, 0.3764, 0.3123

Complementary

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



36.5016, 0.3315, 0.4084



22.4795, 0.2883, 0.2500

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.



36.5016, 0.3345, 0.2816



36.5016, 0.3315, 0.4084



36.5016, 0.2528, 0.2569

Square

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



36.5016, 0.3315, 0.4084



36.5016, 0.2323, 0.2995



36.5016, 0.2891, 0.2618



36.5016, 0.4004, 0.3483

Rectangle

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



36.5016, 0.3315, 0.4084



36.5016, 0.2618, 0.3573



36.5016, 0.2891, 0.2618



36.5016, 0.3638, 0.3012

Sweetspot

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



36.5032, 0.3315, 0.4084



70.3699, 0.3186, 0.3515



30.4164, 0.3668, 0.3672



15.6084, 0.3196, 0.3552



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.



36.5032, 0.3315, 0.4084



63.9557, 0.3352, 0.4284



34.4756, 0.3087, 0.4142



9.1248, 0.3187, 0.3519



23.4027, 0.3364, 0.5711



0.6837, 0.3606, 0.5519

Inverse Universe

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



22.4795, 0.2883, 0.2500



34.6374, 0.2812, 0.2303



25.0278, 0.3161, 0.2564



7.9503, 0.3062, 0.3061



3.7817, 0.2058, 0.0907



0.1377, 0.2398, 0.1094

Previews

White Background



This preview shows how the Yxy color 36.5016, 0.3315, 0.4084 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 36.5016, 0.3315, 0.4084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

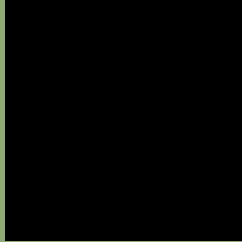
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5016, 0.3315, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 36.5016, 0.3315, 0.4084.



This preview shows how white text looks on a background with the Yxy color 36.5016, 0.3315, 0.4084.

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

36.5016, 0.3315, 0.4084

Protanopia

36.2156, 0.3681, 0.3949

Deuteranopia

36.2834, 0.3808, 0.3739



Tritanopia

36.4975, 0.2919, 0.3102

Trichromacy



Original Color

36.5016, 0.3315, 0.4084

Protanomaly

36.0871, 0.3546, 0.4002

Deuteranomaly

35.8935, 0.3618, 0.3852

Tritanomaly

36.5218, 0.3065, 0.3455

Monochromacy



Original Color

36.5016, 0.3315, 0.4084

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.6266, 0.3200, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5016, 0.3315, 0.4084 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(145, 171, 120)` looks like.

```
.text, #text, p{  
    color:rgb(145, 171, 120)  
}
```

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(145, 171, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 171, 120) }
```

Border

The CSS property to change the border of an element to Yxy 36.5016, 0.3315, 0.4084 is called "border". The border property can be set on classes, ids or directly on the HTML element.

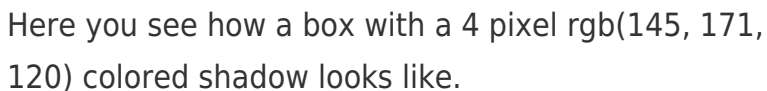
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 171, 120) }
```

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

```
.border{ border-color:rgb(145, 171, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 171, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 171, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 171, 120);  
box-shadow:4px 4px 4px 4px rgb(145, 171,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5016, 0.3315, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 171, 120) }
```

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

```
.background{ background-color: rgb(145,  
171, 120) }
```

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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