

Converting Colors

$Y_{xy}(36.1490, 0.3019, 0.3973)$

Have a look what the booklet for
Yxy(36.1490, 0.3019, 0.3973)
contains.

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Color

Yxy(36.1490, 0.3019, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	7BAE84
RGB	123, 174, 132
RGB Percent	48%, 68%, 52%
CMY	0.5177, 0.3176, 0.4822
CMYK	0.29, 0.00, 0.24, 0.32
HSL	131°, 24%, 58%
HSV	131°, 29%, 68%
XYZ	27.4689, 36.1490, 27.3688
YIQ	153.9630, -16.9140, -23.8740

Conversions

Conversions Part 2

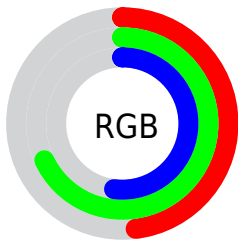
Format	Color
RYB	123, 166, 174
Decimal	8105604
CIELab	66.63, -25.60, 16.25
CIElCh	67, 30.326, 147.595
Yxy	36.1490, 0.3019, 0.3973
Android (android.graphics.Color)	4286295684 (0xFF7BAE84)
YUV	153.9630, -10.8278, -27.1546
Hunter-Lab	60.1240, -23.6658, 15.0977

Details

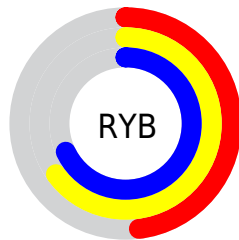
The Yxy color **36.1490, 0.3019, 0.3973** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.8764, 0.3259, 0.2692**, and the grayscale version is **32.3518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4435, 0.3049, 0.3836**, and **15.6617, 0.2972, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **34.6139, 0.2985, 0.4255**, and if you desaturate by 10%, it is **37.9690, 0.3055, 0.3714**.

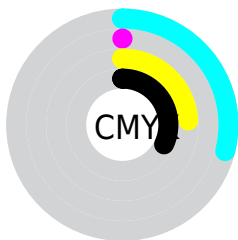
Distribution



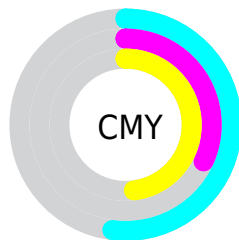
- Red (48%)
- Green (68%)
- Blue (52%)



- Red (48%)
- Yellow (65%)
- Blue (68%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)
- Black (32%)




- Cyan (52%)
- Magenta (32%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1490, 0.3019, 0.3973 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 36.1490, 0.3019, 0.3973 by changing the saturation by 10% instead.


 36.1490, 0.3019,
0.3973


 36.1490, 0.3019,
0.3973


329.6113, 0.3083,
0.3603


 24.5493, 0.2999,
0.4076


 69.2620, 0.3045,
0.3831

 15.7416, 0.2971,
0.4215


 91.5440, 0.3054,
0.3780

 9.3415, 0.2929,
0.4413


 118.1557, 0.3061,
0.3738

 4.9646, 0.2858,
0.4716

149.4813, 0.3067,
0.3702

 2.2265, 0.2723,
0.5234

185.9053, 0.3072,
0.3672

 0.7344, 0.0904,
0.9096

227.8120, 0.3076,

 0.0000, 0.0000,

0.3646

0.0000

275.5859, 0.3080,
0.3623

■ 36.1490, 0.3019,
0.3973

■ 36.1490, 0.3019,
0.3973

■ 34.6139, 0.2985,
0.4255

■ 37.9690, 0.3055,
0.3714

■ 33.3449, 0.2956,
0.4554

■ 40.0826, 0.3093,
0.3482

■ 32.3280, 0.2935,
0.4859

■ 42.5037, 0.3130,
0.3277

■ 31.5461, 0.2923,
0.5155

■ 45.2440, 0.3165,
0.3097

■ 30.9798, 0.2923,
0.5425

■ 48.3146, 0.3199,
0.2940

■ 30.6066, 0.2934,
0.5650

■ 51.7259, 0.3231,
0.2805

■ 30.3850, 0.2952,
0.5821

■ 55.4882, 0.3260,
0.2687

■ 30.3722, 0.2953,
0.5831

■ 58.2222, 0.3229,
0.2572

■ 58.7541, 0.3164,
0.2498

Harmonies

Analogous

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



36.1490, 0.3475, 0.4125



36.1490, 0.3019, 0.3973



36.1490, 0.2611, 0.3587

Triad

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



36.1490, 0.3019, 0.3973



36.1490, 0.2422, 0.2576



36.1490, 0.3968, 0.3356

Complementary

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



36.1490, 0.3019, 0.3973



25.8764, 0.3259, 0.2692

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.



36.1490, 0.3644, 0.3001



36.1490, 0.3019, 0.3973



36.1490, 0.2740, 0.2567

Square

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



36.1490, 0.3019, 0.3973



36.1490, 0.2286, 0.2767



36.1490, 0.3184, 0.2720



36.1490, 0.4043, 0.3721

Rectangle

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



36.1490, 0.3019, 0.3973



36.1490, 0.2417, 0.3279



36.1490, 0.3184, 0.2720



36.1490, 0.3883, 0.3233

Sweetspot

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



36.1505, 0.3019, 0.3973



72.7682, 0.3093, 0.3479



39.7569, 0.3479, 0.4029



16.0437, 0.3088, 0.3510



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.



36.1505, 0.3019, 0.3973



63.7561, 0.2997, 0.4148



36.9181, 0.2832, 0.3557



8.9617, 0.3093, 0.3482



22.0342, 0.2949, 0.5816



0.6197, 0.2809, 0.5312

Inverse Universe

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



25.8764, 0.3259, 0.2692



42.1490, 0.3294, 0.2563



25.0543, 0.3551, 0.3040



8.1233, 0.3163, 0.3105



7.9765, 0.3706, 0.1815



0.2282, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 36.1490, 0.3019, 0.3973 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 36.1490, 0.3019, 0.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

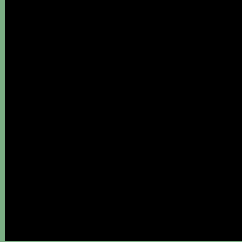
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1490, 0.3019, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 36.1490, 0.3019, 0.3973.



This preview shows how white text looks on a background with the Yxy color 36.1490, 0.3019, 0.3973.

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

36.1490, 0.3019, 0.3973

Protanopia

35.7668, 0.3560, 0.3798

Deuteranopia

35.6594, 0.3629, 0.3554



Tritanopia

36.2470, 0.2720, 0.3094

Trichromacy



Original Color

36.1490, 0.3019, 0.3973

Protanomaly

35.7010, 0.3345, 0.3870

Deuteranomaly

35.3765, 0.3381, 0.3692

Tritanomaly

36.0609, 0.2830, 0.3398

Monochromacy



Original Color

36.1490, 0.3019, 0.3973

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.4047, 0.3088, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1490, 0.3019, 0.3973 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(123, 174, 132)` looks like.

```
.text, #text, p{  
    color:rgb(123, 174, 132)  
}
```

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(123, 174, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 174, 132) }
```

Border

The CSS property to change the border of an element to Yxy 36.1490, 0.3019, 0.3973 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(123, 174, 132) }
```

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

```
.border{ border-color:rgb(123, 174, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 174, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 174, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 174, 132);  
box-shadow:4px 4px 4px 4px rgb(123, 174,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1490, 0.3019, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 174, 132) }
```

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

```
.background{ background-color: rgb(123,  
174, 132) }
```

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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