

Converting Colors

$Y_{xy}(29.6424, 0.3614, 0.3863)$

Have a look what the booklet for
Yxy(29.6424, 0.3614, 0.3863)
contains.

Yxy(29.6984, 0.3616, 0.3869)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6984, 0.3616, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	9F946F
RGB	159, 148, 111
RGB Percent	62%, 58%, 44%
CMY	0.3765, 0.4196, 0.5647
CMYK	0.00, 0.07, 0.30, 0.38
HSL	46°, 20%, 53%
HSV	46°, 30%, 62%
XYZ	27.7564, 29.6984, 19.3051
YIQ	147.0710, 18.4330, -9.1750

Conversions

Conversions Part 2

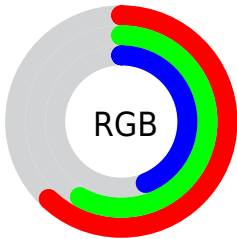
Format	Color
R_{YB}	125, 159, 111
Decimal	10458223
CIE Lab	61.39, -1.87, 21.08
CIE LCh	61, 21.162, 95.059
Yxy	29.6984, 0.3616, 0.3869
Android (android.graphics.Color)	4288648303 (0xFF9F946F)
YUV	147.0710, -17.7830, 10.4617
Hunter-Lab	54.4962, -4.4536, 17.1441

Details

The Yxy color $29.6984, 0.3616, 0.3869$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $19.7967, 0.2631, 0.2634$, and the grayscale version is $29.2779, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.1815, 0.3515, 0.3751$, and $12.0341, 0.3783, 0.4052$ is the 20% darker color. If you saturate the color by 10%, you get $28.2558, 0.3795, 0.4062$, and if you desaturate by 10%, it is $31.2419, 0.3444, 0.3673$.

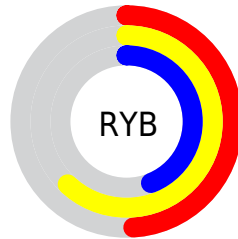
Distribution



Red (62%)

Green (58%)

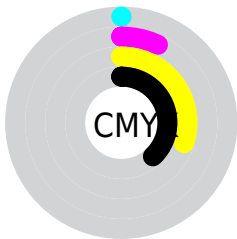
Blue (44%)



Red (49%)

Yellow (62%)

Blue (44%)

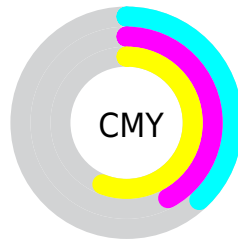


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (38%)



Cyan (38%)


Magenta (42%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6984, 0.3616, 0.3869 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 29.6984, 0.3616, 0.3869 by changing the saturation by 10% instead.


 29.6984, 0.3616,
0.3869


 29.6984, 0.3616,
0.3869


300.4961, 0.3356,
0.3558

 19.6098, 0.3686,
0.3953


 59.1849, 0.3518,
0.3751

 12.1117, 0.3777,
0.4065


 79.3515, 0.3482,
0.3708

 6.8198, 0.3902,
0.4220


 103.6463, 0.3452,
0.3673

 3.3497, 0.4080,
0.4445

 132.4536, 0.3427,
0.3643

 1.3169, 0.4754,
0.5246

166.1579, 0.3405,
0.3617

 0.1542, 0.3958,
0.6042

205.1434, 0.3387,

 0.0000, 0.0000,

0.3595

0.0000

249.7947, 0.3370,
0.3575

■ 29.6984, 0.3616,
0.3869

■ 29.6984, 0.3616,
0.3869

■ 28.2558, 0.3795,
0.4062

■ 31.2419, 0.3444,
0.3673

■ 26.9066, 0.3974,
0.4244

■ 32.8858, 0.3281,
0.3480

■ 25.6480, 0.4149,
0.4405

■ 34.6344, 0.3130,
0.3294

■ 24.4758, 0.4311,
0.4535

■ 36.4909, 0.2992,
0.3118

■ 23.3851, 0.4453,
0.4626

■ 38.4581, 0.2866,
0.2953

■ 22.3701, 0.4568,
0.4672

■ 40.5387, 0.2752,
0.2801

■ 21.4357, 0.4659,
0.4682

■ 42.7354, 0.2650,
0.2661

■ 45.0506, 0.2558,
0.2533

■ 47.4867, 0.2476,
0.2415

Harmonies

Analogous

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



29.6984, 0.3793, 0.3687



29.6984, 0.3616, 0.3869



29.6984, 0.3311, 0.3894

Triad

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



29.6984, 0.3616, 0.3869



29.6984, 0.2512, 0.3101



29.6984, 0.3262, 0.2902

Complementary

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



29.6984, 0.3616, 0.3869



19.7967, 0.2631, 0.2634

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.



29.6984, 0.2916, 0.2756



29.6984, 0.3616, 0.3869



29.6984, 0.2500, 0.2853

Square

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



29.6984, 0.3616, 0.3869



29.6984, 0.2679, 0.3429



29.6984, 0.2643, 0.2734



29.6984, 0.3585, 0.3139

Rectangle

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



29.6984, 0.3616, 0.3869



29.6984, 0.3081, 0.3805



29.6984, 0.2643, 0.2734



29.6984, 0.3144, 0.2841

Sweetspot

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



29.6997, 0.3616, 0.3869



59.2088, 0.3265, 0.3460



20.1473, 0.3629, 0.3110



13.2537, 0.3287, 0.3486



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.6997, 0.3616, 0.3869



51.4930, 0.3731, 0.3995



32.0720, 0.3436, 0.4059



7.4626, 0.3266, 0.3462



16.9959, 0.4654, 0.4686



0.3621, 0.4439, 0.4857

Inverse Universe

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



19.7967, 0.2631, 0.2634



30.9679, 0.2512, 0.2466



18.1395, 0.2748, 0.2465



6.6695, 0.2988, 0.3113



3.0481, 0.1577, 0.0878



0.1114, 0.1766, 0.1556

Previews

White Background



This preview shows how the Yxy color 29.6984, 0.3616, 0.3869 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6984, 0.3616, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

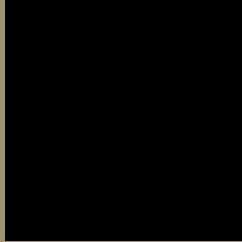
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6984, 0.3616, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 29.6984, 0.3616, 0.3869.



This preview shows how white text looks on a background with the Yxy color 29.6984, 0.3616, 0.3869.

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

29.6984, 0.3616, 0.3869

Protanopia

29.6984, 0.3616, 0.3869

Deuteranopia

29.5145, 0.3804, 0.3736



Tritanopia

29.5716, 0.3242, 0.3111

Trichromacy



Original Color

29.6984, 0.3616, 0.3869

Protanomaly

29.6984, 0.3616, 0.3869

Deuteranomaly

29.5514, 0.3737, 0.3774

Tritanomaly

29.4629, 0.3382, 0.3383

Monochromacy



Original Color

29.6984, 0.3616, 0.3869

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1680, 0.3297, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6984, 0.3616, 0.3869 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(159, 148, 111)` looks like.

```
.text, #text, p{  
    color:rgb(159, 148, 111)  
}
```

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(159, 148, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 148, 111) }
```

Border

The CSS property to change the border of an element to Yxy 29.6984, 0.3616, 0.3869 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(159, 148, 111) }
```

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

```
.border{ border-color:rgb(159, 148, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 148, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 148, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 148, 111); box-shadow:4px 4px 4px 4px rgb(159, 148, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6984, 0.3616, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 148, 111) }
```

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

```
.background{ background-color: rgb(159,  
148, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor