

Converting Colors

$Y_{xy}(29.2999, 0.3661, 0.3917)$

Have a look what the booklet for
Yxy(29.2999, 0.3661, 0.3917)
contains.

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Color

Yxy(29.2999, 0.3661, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	9F936B
RGB	159, 147, 107
RGB Percent	62%, 58%, 42%
CMY	0.3765, 0.4235, 0.5805
CMYK	0.00, 0.08, 0.33, 0.38
HSL	46°, 21%, 52%
HSV	46°, 33%, 62%
XYZ	27.3850, 29.2999, 18.1170
YIQ	146.0280, 19.9920, -9.8960

Conversions

Conversions Part 2

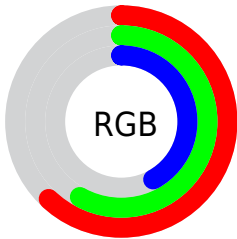
Format	Color
R_{YB}	123, 159, 107
Decimal	10457963
CIE Lab	61.05, -1.85, 22.83
CIE LCh	61, 22.909, 94.641
Yxy	29.2999, 0.3661, 0.3917
Android (android.graphics.Color)	4288648043 (0xFF9F936B)
YUV	146.0280, -19.2408, 11.3764
Hunter-Lab	54.1294, -4.4202, 18.0463

Details

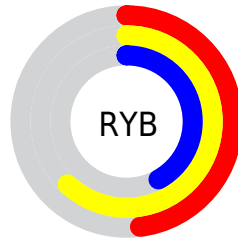
The Yxy color $29.2999, 0.3661, 0.3917$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.8166, 0.2585, 0.2572$, and the grayscale version is $28.8310, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.5726, 0.3548, 0.3787$, and $11.9910, 0.3839, 0.4137$ is the 20% darker color. If you saturate the color by 10%, you get $27.8745, 0.3841, 0.4108$, and if you desaturate by 10%, it is $30.8259, 0.3486, 0.3721$.

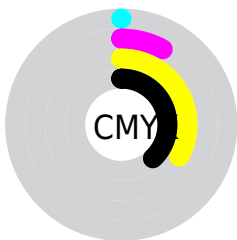
Distribution



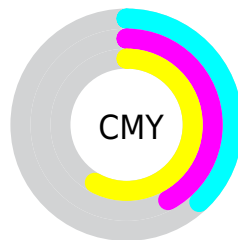
- Red (62%)
- Green (58%)
- Blue (42%)



- Red (48%)
- Yellow (62%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (33%)
- Black (38%)





- Cyan (38%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2999, 0.3661, 0.3917 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 29.2999, 0.3661, 0.3917 by changing the saturation by 10% instead.


 29.2999, 0.3661,
0.3917


 29.2999, 0.3661,
0.3917


298.6273, 0.3377,
0.3580


 19.3078, 0.3737,
0.4008


 58.5532, 0.3554,
0.3789

 11.8929, 0.3836,
0.4129


 78.5833, 0.3515,
0.3743

 6.6708, 0.3971,
0.4295


 102.7281, 0.3482,
0.3704

 3.2571, 0.4159,
0.4532

 131.3720, 0.3455,
0.3672

 1.2674, 0.4753,
0.5247

164.8995, 0.3431,
0.3644

 0.1157, 0.3588,
0.6412

203.6950, 0.3411,

 0.0000, 0.0000,

0.3620

0.0000

248.1428, 0.3393,
0.3599

■ 29.2999, 0.3661,
0.3917

■ 29.2999, 0.3661,
0.3917

■ 27.8745, 0.3841,
0.4108

■ 30.8259, 0.3486,
0.3721

■ 26.5419, 0.4020,
0.4285

■ 32.4519, 0.3321,
0.3527

■ 25.2995, 0.4193,
0.4439

■ 34.1824, 0.3167,
0.3339

■ 24.1427, 0.4351,
0.4560

■ 36.0206, 0.3025,
0.3161

■ 23.0666, 0.4487,
0.4639

■ 37.9694, 0.2896,
0.2994

■ 22.0651, 0.4596,
0.4674

■ 40.0314, 0.2780,
0.2839

■ 21.3722, 0.4663,
0.4679

■ 42.2093, 0.2675,
0.2696

■ 44.5057, 0.2580,
0.2565

■ 46.9231, 0.2496,
0.2446

Harmonies

Analogous

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



29.2999, 0.3853, 0.3714



29.2999, 0.3661, 0.3917



29.2999, 0.3331, 0.3951

Triad

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



29.2999, 0.3661, 0.3917



29.2999, 0.2463, 0.3087



29.2999, 0.3267, 0.2867

Complementary

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



29.2999, 0.3661, 0.3917



18.8166, 0.2585, 0.2572

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.



29.2999, 0.2892, 0.2712



29.2999, 0.3661, 0.3917



29.2999, 0.2447, 0.2817

Square

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



29.2999, 0.3661, 0.3917



29.2999, 0.2644, 0.3445



29.2999, 0.2599, 0.2689



29.2999, 0.3621, 0.3121

Rectangle

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



29.2999, 0.3661, 0.3917



29.2999, 0.3081, 0.3856



29.2999, 0.2599, 0.2689



29.2999, 0.3139, 0.2802

Sweetspot

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



29.3012, 0.3661, 0.3917



58.8825, 0.3281, 0.3479



19.2177, 0.3686, 0.3095



13.1843, 0.3302, 0.3504



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.



29.3012, 0.3661, 0.3917



50.6620, 0.3787, 0.4052



31.8892, 0.3461, 0.4126



7.4608, 0.3266, 0.3461



16.9455, 0.4658, 0.4683



0.3615, 0.4441, 0.4856

Inverse Universe

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



18.8166, 0.2585, 0.2572



29.0385, 0.2455, 0.2386



17.0696, 0.2709, 0.2387



6.6712, 0.2988, 0.3113



3.0610, 0.1578, 0.0881



0.1119, 0.1767, 0.1562

Previews

White Background



This preview shows how the Yxy color 29.2999, 0.3661, 0.3917 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 29.2999, 0.3661, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

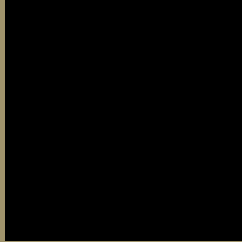
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

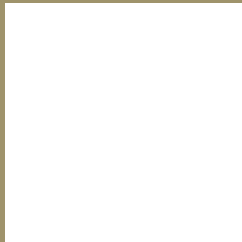
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2999, 0.3661, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 29.2999, 0.3661, 0.3917.



This preview shows how white text looks on a background with the Yxy color 29.2999, 0.3661, 0.3917.

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

29.2999, 0.3661, 0.3917

Protanopia

29.1981, 0.3649, 0.3919

Deuteranopia

29.1311, 0.3852, 0.3780



Tritanopia

29.2093, 0.3264, 0.3126

Trichromacy



Original Color

29.2999, 0.3661, 0.3917

Protanomaly

29.1981, 0.3649, 0.3919

Deuteranomaly

29.1626, 0.3784, 0.3820

Tritanomaly

29.1039, 0.3406, 0.3398

Monochromacy



Original Color

29.2999, 0.3661, 0.3917

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.8030, 0.3319, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2999, 0.3661, 0.3917 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, 147, 107)` looks like.

```
.text, #text, p{  
    color:rgb(159, 147, 107)  
}
```

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, 147, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 147, 107) }
```

Border

The CSS property to change the border of an element to Yxy 29.2999, 0.3661, 0.3917 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, 147, 107) }
```

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

```
.border{ border-color:rgb(159, 147, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 147, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 147, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 147, 107);  
box-shadow:4px 4px 4px 4px rgb(159, 147,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2999, 0.3661, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 147, 107) }
```

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

```
.background{ background-color: rgb(159,  
147, 107) }
```

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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