

Converting Colors

$Y_{xy}(29.7758, 0.3604, 0.3987)$

Have a look what the booklet for
Yxy(29.7758, 0.3604, 0.3987)
contains.

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Color

Yxy(29.7233, 0.3601, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	9A966A
RGB	154, 150, 106
RGB Percent	60%, 59%, 42%
CMY	0.3961, 0.4117, 0.5843
CMYK	0.00, 0.03, 0.31, 0.40
HSL	55°, 19%, 51%
HSV	55°, 31%, 60%
XYZ	26.8322, 29.7233, 17.9577
YIQ	146.1800, 16.5080, -12.8360

Conversions

Conversions Part 2

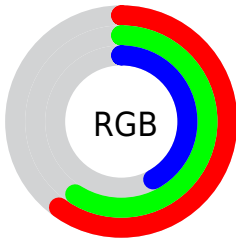
Format	Color
R_{YB}	110, 154, 106
Decimal	10131050
CIE _{Lab}	61.41, -5.68, 23.79
CIE _{LCh}	61, 24.463, 103.432
Yxy	29.7233, 0.3601, 0.3989
Android (android.graphics.Color)	4288321130 (0xFF9A966A)
YUV	146.1800, -19.8087, 6.8581
Hunter-Lab	54.5191, -7.5576, 18.6342

Details

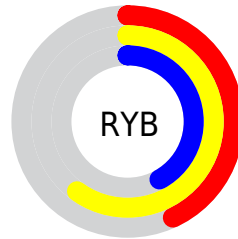
The Yxy color $29.7233, 0.3601, 0.3989$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.5433, 0.2600, 0.2479$, and the grayscale version is $28.8998, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2097, 0.3506, 0.3840$, and $12.0539, 0.3753, 0.4226$ is the 20% darker color. If you saturate the color by 10%, you get $29.0273, 0.3755, 0.4209$, and if you desaturate by 10%, it is $30.4840, 0.3445, 0.3762$.

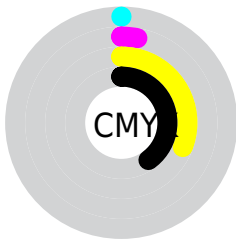
Distribution



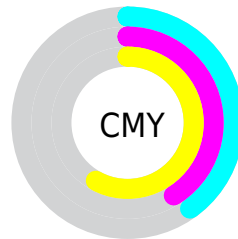
- Red (60%)
- Green (59%)
- Blue (42%)



- Red (43%)
- Yellow (60%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (31%)
- Black (40%)




- Cyan (40%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7233, 0.3601, 0.3989 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 29.7233, 0.3601, 0.3989 by changing the saturation by 10% instead.


 29.7233, 0.3601,
0.3989

 29.7233, 0.3601,
0.3989


300.6126, 0.3352,
0.3611

 19.6287, 0.3666,
0.4093


 59.2243, 0.3508,
0.3845


 12.1254, 0.3750,
0.4231


 79.3995, 0.3474,
0.3793

 6.8291, 0.3862,
0.4422


 103.7036, 0.3445,
0.3749

 3.3555, 0.4013,
0.4701

 132.5211, 0.3421,
0.3713

 1.3200, 0.4505,
0.5495

166.2364, 0.3400,
0.3682

 0.1566, 0.0608,
0.9392

205.2337, 0.3382,

 0.0000, 0.0000,

0.3655

0.0000

249.8977, 0.3366,
0.3632

■ 29.7233, 0.3601,
0.3989

■ 29.7233, 0.3601,
0.3989

■ 29.0273, 0.3755,
0.4209

■ 30.4840, 0.3445,
0.3762

■ 28.3888, 0.3902,
0.4412

■ 31.3081, 0.3291,
0.3536

■ 27.8059, 0.4035,
0.4590

■ 32.1997, 0.3144,
0.3315

■ 27.2746, 0.4149,
0.4735


■ 33.1614, 0.3005,
0.3105


■ 26.7909, 0.4239,
0.4840

■ 34.1955, 0.2875,
0.2907


 26.3496, 0.4303,
0.4903

 35.3042, 0.2756,
0.2723

 25.9839, 0.4344,
0.4933

 36.4898, 0.2648,
0.2555

 37.7543, 0.2549,
0.2400

 39.0996, 0.2460,
0.2260

Harmonies

Analogous

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



29.7233, 0.3858, 0.3815



29.7233, 0.3601, 0.3989



29.7233, 0.3226, 0.3963

Triad

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



29.7233, 0.3601, 0.3989



29.7233, 0.2400, 0.2975



29.7233, 0.3393, 0.2912

Complementary

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



29.7233, 0.3601, 0.3989



16.5433, 0.2600, 0.2479

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.



29.7233, 0.2989, 0.2713



29.7233, 0.3601, 0.3989



29.7233, 0.2436, 0.2731

Square

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



29.7233, 0.3601, 0.3989



29.7233, 0.2542, 0.3339



29.7233, 0.2644, 0.2645



29.7233, 0.3741, 0.3201

Rectangle

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



29.7233, 0.3601, 0.3989



29.7233, 0.2962, 0.3820



29.7233, 0.2644, 0.2645



29.7233, 0.3259, 0.2834

Sweetspot

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



29.7246, 0.3601, 0.3989



57.1962, 0.3261, 0.3491



18.3021, 0.3752, 0.3225



12.8973, 0.3282, 0.3522



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.7246, 0.3601, 0.3989



53.1620, 0.3703, 0.4135



29.2149, 0.3368, 0.4103



7.1353, 0.3262, 0.3492



21.1989, 0.4343, 0.4934



0.3392, 0.4269, 0.4992

Inverse Universe

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



16.5433, 0.2600, 0.2479



25.5439, 0.2470, 0.2275



17.0754, 0.2819, 0.2457



6.1046, 0.2988, 0.3080



2.1548, 0.1520, 0.0671



0.0514, 0.1612, 0.1004

Previews

White Background



This preview shows how the Yxy color 29.7233, 0.3601, 0.3989 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 29.7233, 0.3601, 0.3989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

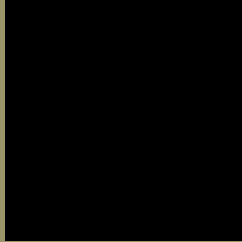
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7233, 0.3601, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 29.7233, 0.3601, 0.3989.



This preview shows how white text looks on a background with the Yxy color 29.7233, 0.3601, 0.3989.

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

29.7233, 0.3601, 0.3989

Protanopia

29.6733, 0.3688, 0.3959

Deuteranopia

29.6588, 0.3870, 0.3790



Tritanopia

29.7867, 0.3187, 0.3125

Trichromacy



Original Color

29.7233, 0.3601, 0.3989

Protanomaly

29.7839, 0.3660, 0.3979

Deuteranomaly

29.6372, 0.3773, 0.3866

Tritanomaly

29.6330, 0.3345, 0.3430

Monochromacy



Original Color

29.7233, 0.3601, 0.3989

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.8957, 0.3306, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7233, 0.3601, 0.3989 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(154, 150, 106)` looks like.

```
.text, #text, p{  
    color:rgb(154, 150, 106)  
}
```

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(154, 150, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 150, 106) }
```

Border

The CSS property to change the border of an element to Yxy 29.7233, 0.3601, 0.3989 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(154, 150, 106) }
```

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

```
.border{ border-color:rgb(154, 150, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 150, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 150, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 150, 106);  
box-shadow:4px 4px 4px 4px rgb(154, 150,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7233, 0.3601, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 150, 106) }
```

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

```
.background{ background-color: rgb(154,  
150, 106) }
```

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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