

Converting Colors

$Y_{xy}(30.2080, 0.3580, 0.4107)$

Have a look what the booklet for
Yxy(30.2080, 0.3580, 0.4107)
contains.

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Color

Yxy(30.2258, 0.3582, 0.4106)

Conversions

Conversions Part 1

Format	Color
Hex	969966
RGB	150, 153, 102
RGB Percent	59%, 60%, 40%
CMY	0.4117, 0.4000, 0.5999
CMYK	0.02, 0.00, 0.33, 0.40
HSL	64°, 20%, 50%
HSV	64°, 33%, 60%
XYZ	26.3684, 30.2258, 17.0195
YIQ	146.2890, 14.5830, -16.4970

Conversions

Conversions Part 2

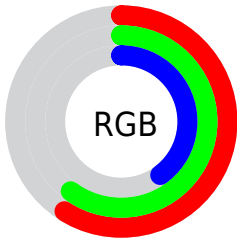
Format	Color
RYB	102, 153, 105
Decimal	9869670
CIELab	61.85, -9.45, 26.49
CIELCh	62, 28.123, 109.642
Yxy	30.2258, 0.3582, 0.4106
Android (android.graphics.Color)	4288059750 (0xFF969966)
YUV	146.2890, -21.8345, 3.2545
Hunter-Lab	54.9780, -10.5997, 20.1302

Details

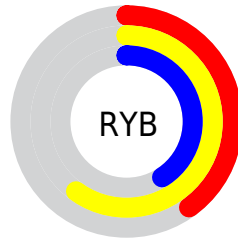
The Yxy color **30.2258, 0.3582, 0.4106** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.8109, 0.2581, 0.2341**, and the grayscale version is **28.9577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9379, 0.3494, 0.3928**, and **12.3658, 0.3714, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **29.8660, 0.3711, 0.4344**, and if you desaturate by 10%, it is **30.6450, 0.3446, 0.3859**.

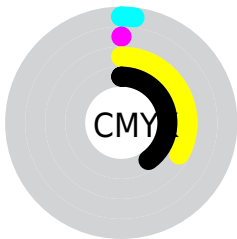
Distribution



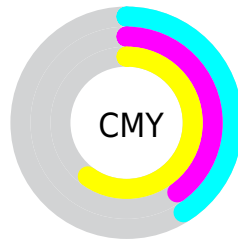
- Red (59%)
- Green (60%)
- Blue (40%)



- Red (40%)
- Yellow (60%)
- Blue (41%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)



- Cyan (41%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2258, 0.3582, 0.4106 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 30.2258, 0.3582, 0.4106 by changing the saturation by 10% instead.


 30.2258, 0.3582,
0.4106


 30.2258, 0.3582,
0.4106


302.9555, 0.3347,
0.3663

 20.0100, 0.3641,
0.4228


 60.0191, 0.3496,
0.3937

 12.4023, 0.3716,
0.4390


 80.3654, 0.3463,
0.3875

 7.0183, 0.3811,
0.4616


 104.8574, 0.3436,
0.3825

 3.4736, 0.3934,
0.4951

 133.8793, 0.3413,
0.3782

 1.3837, 0.4263,
0.5737

167.8158, 0.3393,
0.3746

 0.2046, 0.0000,
1.0000

207.0510, 0.3376,

 0.0000, 0.0000,

0.3714

0.0000

251.9695, 0.3360,
0.3687

■ 30.2258, 0.3582,
0.4106

■ 30.2258, 0.3582,
0.4106

■ 29.8660, 0.3711,
0.4344

■ 30.6450, 0.3446,
0.3859

■ 29.5584, 0.3827,
0.4563

■ 31.1225, 0.3308,
0.3611

■ 29.3010, 0.3926,
0.4754


■ 31.6621, 0.3172,
0.3368

■ 29.0901, 0.4002,
0.4910

■ 32.2664, 0.3040,
0.3137


■ 28.9213, 0.4055,
0.5024


■ 32.9378, 0.2915,
0.2919


 28.7895, 0.4082,
0.5097

 33.6784, 0.2799,
0.2716

 28.7128, 0.4092,
0.5133

 34.4905, 0.2691,
0.2531

 35.3761, 0.2593,
0.2361

 36.3371, 0.2503,
0.2208

Harmonies

Analogous

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



30.2258, 0.3915, 0.3939



30.2258, 0.3582, 0.4106



30.2258, 0.3141, 0.4028

Triad

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



30.2258, 0.3582, 0.4106



30.2258, 0.2296, 0.2855



30.2258, 0.3523, 0.2922

Complementary

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



30.2258, 0.3582, 0.4106



14.8109, 0.2581, 0.2341

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.



30.2258, 0.3061, 0.2674



30.2258, 0.3582, 0.4106



30.2258, 0.2378, 0.2619

Square

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



30.2258, 0.3582, 0.4106



30.2258, 0.2413, 0.3249



30.2258, 0.2648, 0.2563



30.2258, 0.3891, 0.3259

Rectangle

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



30.2258, 0.3582, 0.4106



30.2258, 0.2848, 0.3830



30.2258, 0.2648, 0.2563



30.2258, 0.3371, 0.2827

Sweetspot

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



30.2272, 0.3582, 0.4106



56.0251, 0.3265, 0.3534



17.7477, 0.3861, 0.3335



12.3443, 0.3283, 0.3566



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



30.2272, 0.3582, 0.4106



53.6397, 0.3679, 0.4285



28.0998, 0.3311, 0.4183



7.2044, 0.3252, 0.3511



23.7351, 0.4093, 0.5132



0.3597, 0.4141, 0.5094

Inverse Universe

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



14.8109, 0.2581, 0.2341



21.6800, 0.2434, 0.2090



16.5572, 0.2876, 0.2415



6.0428, 0.2997, 0.3061



1.9540, 0.1525, 0.0614



0.0333, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 30.2258, 0.3582, 0.4106 looks on a white background.

Color Contrast Check

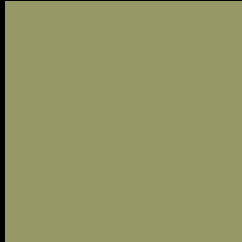
Large Text (above 18pt) WCAG AA × Fail

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 30.2258, 0.3582, 0.4106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

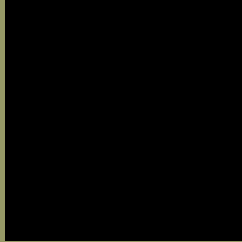
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2258, 0.3582, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 30.2258, 0.3582, 0.4106.



This preview shows how white text looks on a background with the Yxy color 30.2258, 0.3582, 0.4106.

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

30.2258, 0.3582, 0.4106

Protanopia

30.0964, 0.3755, 0.4043

Deuteranopia

30.1094, 0.3929, 0.3856



Tritanopia

30.1945, 0.3125, 0.3109

Trichromacy



Original Color

30.2258, 0.3582, 0.4106

Protanomaly

30.0214, 0.3695, 0.4055

Deuteranomaly

30.1715, 0.3803, 0.3953

Tritanomaly

30.1999, 0.3286, 0.3462

Monochromacy



Original Color

30.2258, 0.3582, 0.4106

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.3096, 0.3290, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2258, 0.3582, 0.4106 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(150, 153, 102)` looks like.

```
.text, #text, p{  
    color:rgb(150, 153, 102)  
}
```

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(150, 153, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 153, 102) }
```

Border

The CSS property to change the border of an element to Yxy 30.2258, 0.3582, 0.4106 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(150, 153, 102) }
```

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

```
.border{ border-color:rgb(150, 153, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 153, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 153, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 153, 102); box-shadow:4px 4px 4px 4px rgb(150, 153, 102) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2258, 0.3582, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 153, 102) }
```

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

```
.background{ background-color: rgb(150,  
153, 102) }
```

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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