

Converting Colors

$Y_{xy}(29.4785, 0.3604, 0.4372)$

Have a look what the booklet for
Yxy(29.4785, 0.3604, 0.4372)
contains.

Yxy(29.4785, 0.3604, 0.4372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4785, 0.3604, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	8D9A58
RGB	141, 154, 88
RGB Percent	55%, 60%, 35%
CMY	0.4471, 0.3961, 0.6548
CMYK	0.08, 0.00, 0.43, 0.40
HSL	72°, 27%, 47%
HSV	72°, 43%, 60%
XYZ	24.3002, 29.4785, 13.6470
YIQ	142.5890, 13.4380, -23.2820

Conversions

Conversions Part 2

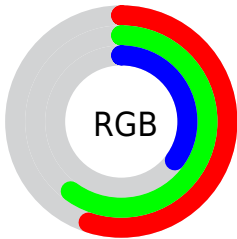
Format	Color
R_{YB}	88, 154, 101
Decimal	9280088
CIE _{Lab}	61.20, -15.42, 33.02
CIE _{LCh}	61, 36.442, 115.040
Yxy	29.4785, 0.3604, 0.4372
Android (android.graphics.Color)	4287470168 (0xFF8D9A58)
YUV	142.5890, -26.9124, -1.3936
Hunter-Lab	54.2941, -15.1241, 23.1032

Details

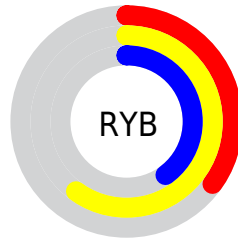
The Yxy color **29.4785, 0.3604, 0.4372** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.0867, 0.2495, 0.2051**, and the grayscale version is **27.4015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7116, 0.3524, 0.4140**, and **11.9775, 0.3718, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **28.9881, 0.3696, 0.4615**, and if you desaturate by 10%, it is **30.0328, 0.3499, 0.4116**.

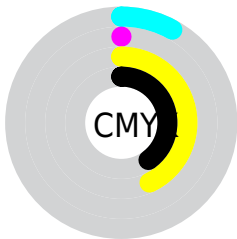
Distribution



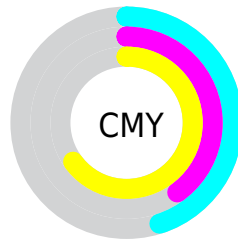
- Red (55%)
- Green (60%)
- Blue (35%)



- Red (35%)
- Yellow (60%)
- Blue (40%)



- Cyan (8%)
- Magenta (0%)
- Yellow (43%)
- Black (40%)




- Cyan (45%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4785, 0.3604, 0.4372 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 29.4785, 0.3604, 0.4372 by changing the saturation by 10% instead.


 29.4785, 0.3604,
0.4372


 29.4785, 0.3604,
0.4372


299.4660, 0.3366,
0.3778


 19.4431, 0.3659,
0.4536


 58.8365, 0.3520,
0.4144

 11.9909, 0.3722,
0.4754


 78.9278, 0.3487,
0.4062

 6.7375, 0.3792,
0.5054


 103.1400, 0.3459,
0.3994

 3.2985, 0.3950,
0.5628

 131.8573, 0.3435,
0.3937

 1.2895, 0.3835,
0.6165

 165.4641, 0.3414,
0.3889

 0.1330, 0.0000,
1.0000

204.3449, 0.3396,

 0.0000, 0.0000,

0.3847

0.0000

248.8841, 0.3380,
0.3810

■ 29.4785, 0.3604,
0.4372

■ 29.4785, 0.3604,
0.4372

■ 28.9881, 0.3696,
0.4615

■ 30.0328, 0.3499,
0.4116

■ 28.5541, 0.3771,
0.4834

■ 30.6502, 0.3388,
0.3857

■ 28.1740, 0.3825,
0.5020

■ 31.3350, 0.3273,
0.3602

■ 27.8433, 0.3854,
0.5166

■ 32.0899, 0.3159,
0.3357

■ 27.5569, 0.3859,
0.5267

■ 32.9175, 0.3048,
0.3126

■ 27.3695, 0.3853,
0.5323

■ 33.8202, 0.2943,
0.2912

■ 34.8004, 0.2844,
0.2715

■ 35.8602, 0.2752,
0.2535

■ 37.0019, 0.2667,
0.2373

Harmonies

Analogous

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



29.4785, 0.4080, 0.4173



29.4785, 0.3604, 0.4372



29.4785, 0.3025, 0.4220

Triad

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



29.4785, 0.3604, 0.4372



29.4785, 0.2070, 0.2645



29.4785, 0.3743, 0.2886

Complementary

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



29.4785, 0.3604, 0.4372



12.0867, 0.2495, 0.2051

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.



29.4785, 0.3141, 0.2554



29.4785, 0.3604, 0.4372



29.4785, 0.2216, 0.2399

Square

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



29.4785, 0.3604, 0.4372



29.4785, 0.2166, 0.3118



29.4785, 0.2589, 0.2378



29.4785, 0.4187, 0.3317

Rectangle

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



29.4785, 0.3604, 0.4372



29.4785, 0.2661, 0.3916



29.4785, 0.2589, 0.2378



29.4785, 0.3549, 0.2761

Sweetspot

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



29.4798, 0.3604, 0.4372



56.8623, 0.3278, 0.3613



16.7136, 0.4113, 0.3497



12.8097, 0.3302, 0.3665



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.



29.4798, 0.3604, 0.4372



52.7230, 0.3689, 0.4596



27.0647, 0.3263, 0.4503



7.1613, 0.3231, 0.3512



22.3113, 0.3856, 0.5321



0.3475, 0.4017, 0.5193

Inverse Universe

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



12.0867, 0.2495, 0.2051



17.0285, 0.2327, 0.1750



14.3128, 0.2896, 0.2180



6.0821, 0.3017, 0.3062



2.1433, 0.1611, 0.0661



0.0447, 0.1962, 0.0854

Previews

White Background



This preview shows how the Yxy color 29.4785, 0.3604, 0.4372 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 29.4785, 0.3604, 0.4372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

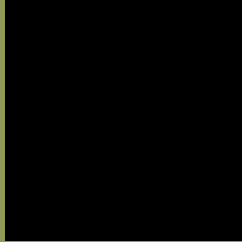
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4785, 0.3604, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 29.4785, 0.3604, 0.4372.



This preview shows how white text looks on a background with the Yxy color 29.4785, 0.3604, 0.4372.

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

29.4785, 0.3604, 0.4372

Protanopia

29.5331, 0.3894, 0.4233

Deuteranopia

29.2701, 0.4077, 0.4008



Tritanopia

29.3817, 0.3053, 0.3119

Trichromacy



Original Color

29.4785, 0.3604, 0.4372

Protanomaly

29.3708, 0.3781, 0.4279

Deuteranomaly

29.2953, 0.3904, 0.4137

Tritanomaly

29.2718, 0.3260, 0.3565

Monochromacy



Original Color

29.4785, 0.3604, 0.4372

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.0483, 0.3309, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4785, 0.3604, 0.4372 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(141, 154, 88)` looks like.

```
.text, #text, p{  
    color:rgb(141, 154, 88)  
}
```

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(141, 154, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 154, 88) }
```

Border

The CSS property to change the border of an element to Yxy 29.4785, 0.3604, 0.4372 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(141, 154, 88) }
```

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

```
.border{ border-color:rgb(141, 154, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 154, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 154, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 154, 88);  
box-shadow:4px 4px 4px 4px rgb(141, 154,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4785, 0.3604, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 154, 88) }
```

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

```
.background{ background-color: rgb(141,  
154, 88) }
```

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