

Converting Colors

$Y_{xy}(29.2614, 0.3019, 0.3917)$

Have a look what the booklet for
Yxy(29.2614, 0.3019, 0.3917)
contains.

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Color

$Yxy(29.4363, 0.3023, 0.3924)$

Conversions

Conversions Part 1

Format	Color
Hex	729E7A
RGB	114, 158, 122
RGB Percent	45%, 62%, 48%
CMY	0.5530, 0.3804, 0.5215
CMYK	0.28, 0.00, 0.23, 0.38
HSL	131°, 18%, 53%
HSV	131°, 28%, 62%
XYZ	22.6774, 29.4363, 22.9024
YIQ	140.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

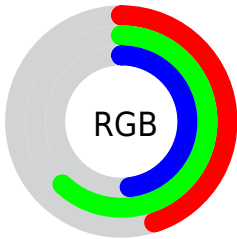
Format	Color
RYB	114, 151, 158
Decimal	7511674
CIELab	61.16, -22.49, 14.10
CIELCh	61, 26.547, 147.917
Yxy	29.4363, 0.3023, 0.3924
Android (android.graphics.Color)	4285701754 (0xFF729E7A)
YUV	140.7400, -9.2388, -23.4510
Hunter-Lab	54.2552, -20.3380, 12.9510

Details

The Yxy color $29.4363, 0.3023, 0.3924$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $21.5003, 0.3253, 0.2730$, and the grayscale version is $26.5691, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.8600, 0.3053, 0.3794$, and $11.8791, 0.2972, 0.4168$ is the 20% darker color. If you saturate the color by 10%, you get $28.1689, 0.2988, 0.4198$, and if you desaturate by 10%, it is $30.9318, 0.3060, 0.3673$.

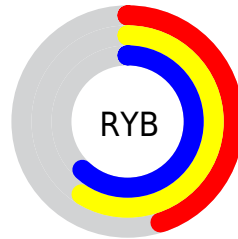
Distribution



Red (45%)

Green (62%)

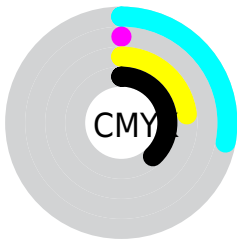
Blue (48%)



Red (45%)

Yellow (59%)

Blue (62%)

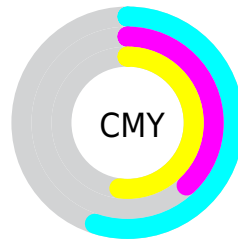


Cyan (28%)

Magenta (0%)

Yellow (23%)

Black (38%)



Cyan (55%)

Magenta (38%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4363, 0.3023, 0.3924 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 29.4363, 0.3023, 0.3924 by changing the saturation by 10% instead.

 29.4363, 0.3023,
0.3924


 29.4363, 0.3023,
0.3924

299.2680, 0.3085,
0.3570

 19.4111, 0.3003,
0.4027


 58.7696, 0.3049,
0.3785

 11.9677, 0.2974,
0.4169


 78.8464, 0.3057,
0.3736

 6.7217, 0.2928,
0.4379


 103.0427, 0.3064,
0.3696

 3.2887, 0.2847,
0.4716

 131.7427, 0.3070,
0.3663

 1.2842, 0.2756,
0.5658

165.3308, 0.3075,
0.3634

 0.1289, 0.0000,
1.0000

204.1915, 0.3079,

 0.0000, 0.0000,

0.3610

0.0000

248.7091, 0.3082,
0.3589

■ 29.4363, 0.3023,
0.3924

■ 29.4363, 0.3023,
0.3924

■ 28.1689, 0.2988,
0.4198

■ 30.9318, 0.3060,
0.3673

■ 27.1148, 0.2958,
0.4491

■ 32.6619, 0.3098,
0.3448

■ 26.2631, 0.2935,
0.4792

■ 34.6376, 0.3135,
0.3250

■ 25.6007, 0.2921,
0.5088

■ 36.8680, 0.3171,
0.3076

■ 25.1128, 0.2919,
0.5362

■ 39.3618, 0.3205,
0.2924

■ 24.7821, 0.2928,
0.5597

■ 42.1272, 0.3237,
0.2792

■ 24.5801, 0.2945,
0.5780

■ 45.1720, 0.3266,
0.2678

■ 24.5441, 0.2948,
0.5813

■ 48.5039, 0.3294,
0.2580

■ 51.9050, 0.3309,
0.2492

Harmonies

Analogous

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



29.4363, 0.3452, 0.4071



29.4363, 0.3023, 0.3924



29.4363, 0.2640, 0.3564

Triad

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



29.4363, 0.3023, 0.3924



29.4363, 0.2466, 0.2617



29.4363, 0.3916, 0.3359

Complementary

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



29.4363, 0.3023, 0.3924



21.5003, 0.3253, 0.2730

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.



29.4363, 0.3616, 0.3022



29.4363, 0.3023, 0.3924



29.4363, 0.2768, 0.2609

Square

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



29.4363, 0.3023, 0.3924



29.4363, 0.2335, 0.2798



29.4363, 0.3187, 0.2755



29.4363, 0.3985, 0.3702

Rectangle

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



29.4363, 0.3023, 0.3924



29.4363, 0.2457, 0.3277



29.4363, 0.3187, 0.2755



29.4363, 0.3838, 0.3242

Sweetspot

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



29.4375, 0.3023, 0.3924



59.2105, 0.3097, 0.3455



32.2183, 0.3459, 0.3985



13.2410, 0.3091, 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.



29.4375, 0.3023, 0.3924



52.0731, 0.3003, 0.4080



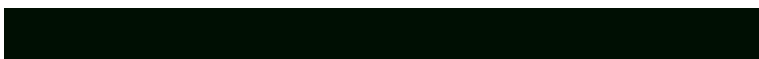
30.0253, 0.2847, 0.3540



7.4198, 0.3093, 0.3478



19.6598, 0.2945, 0.5801



0.3563, 0.2777, 0.5197

Inverse Universe

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



21.5003, 0.3253, 0.2730



35.3893, 0.3285, 0.2612



20.8750, 0.3520, 0.3055



6.7338, 0.3164, 0.3109



7.1000, 0.3720, 0.1823



0.1319, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 29.4363, 0.3023, 0.3924 looks on a white background.

Color Contrast Check

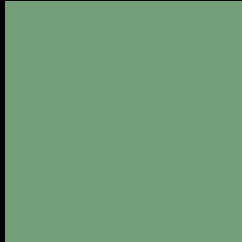
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4363, 0.3023, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

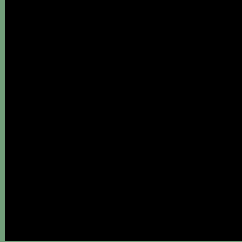
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4363, 0.3023, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 29.4363, 0.3023, 0.3924.



This preview shows how white text looks on a background with the Yxy color 29.4363, 0.3023, 0.3924.

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

29.4363, 0.3023, 0.3924

Protanopia

29.2197, 0.3525, 0.3765

Deuteranopia

29.2617, 0.3605, 0.3548



Tritanopia

29.2744, 0.2743, 0.3093

Trichromacy



Original Color

29.4363, 0.3023, 0.3924

Protanomaly

29.1278, 0.3329, 0.3820

Deuteranomaly

29.0246, 0.3374, 0.3678

Tritanomaly

29.2031, 0.2840, 0.3374

Monochromacy



Original Color

29.4363, 0.3023, 0.3924

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.4140, 0.3086, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4363, 0.3023, 0.3924 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(114, 158, 122)` looks like.

```
.text, #text, p{  
    color:rgb(114, 158, 122)  
}
```

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(114, 158, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 158, 122) }
```

Border

The CSS property to change the border of an element to Yxy 29.4363, 0.3023, 0.3924 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(114, 158, 122) }
```

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

```
.border{ border-color:rgb(114, 158, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 158, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 158, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 158, 122);  
box-shadow:4px 4px 4px 4px rgb(114, 158,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4363, 0.3023, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 158, 122) }
```

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

```
.background{ background-color: rgb(114,  
158, 122) }
```

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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