

Converting Colors

$Yxy(26.3472, 0.2973, 0.4423)$

Have a look what the booklet for
Yxy(26.3472, 0.2973, 0.4423)
contains.

Yxy(26.2371, 0.2972, 0.4424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.2371, 0.2972, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	559B61
RGB	85, 155, 97
RGB Percent	33%, 61%, 38%
CMY	0.6666, 0.3921, 0.6196
CMYK	0.45, 0.00, 0.37, 0.39
HSL	130°, 29%, 47%
HSV	130°, 45%, 61%
XYZ	17.6258, 26.2371, 15.4434
YIQ	127.4580, -23.1020, -32.8780

Conversions

Conversions Part 2

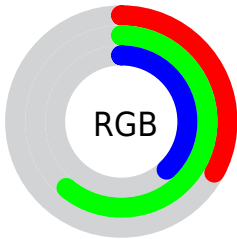
Format	Color
R_{YB}	85, 145, 155
Decimal	5610337
CIE _{Lab}	58.26, -34.96, 23.74
CIE _{LCh}	58, 42.259, 145.829
Y _{xy}	26.2371, 0.2972, 0.4424
Android (android.graphics.Color)	4283800417 (0xFF559B61)
YUV	127.4580, -15.0158, -37.2357
Hunter-Lab	51.2222, -28.2160, 17.9797

Details

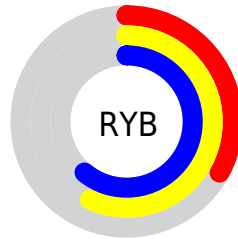
The Yxy color $26.2371, 0.2972, 0.4424$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.4511, 0.3342, 0.2377$, and the grayscale version is $21.4492, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.6346, 0.3017, 0.4163$, and $10.2221, 0.2868, 0.4894$ is the 20% darker color. If you saturate the color by 10%, you get $25.3698, 0.2947, 0.4727$, and if you desaturate by 10%, it is $27.3043, 0.3003, 0.4132$.

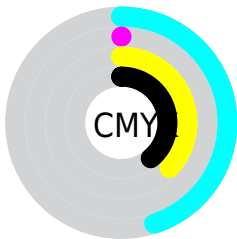
Distribution



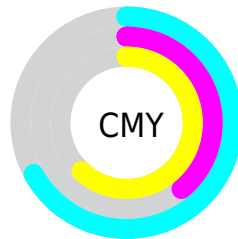
- Red (33%)
- Green (61%)
- Blue (38%)



- Red (33%)
- Yellow (57%)
- Blue (61%)



- Cyan (45%)
- Magenta (0%)
- Yellow (37%)
- Black (39%)





- Cyan (67%)
- Magenta (39%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2371, 0.2972, 0.4424 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 26.2371, 0.2972, 0.4424 by changing the saturation by 10% instead.


 26.2371, 0.2972,
0.4424


 26.2371, 0.2972,
0.4424

283.9441, 0.3077,
0.3768

 17.0011, 0.2932,
0.4625


 53.6572, 0.3019,
0.4160


 10.2353, 0.2870,
0.4908


 72.6101, 0.3033,
0.4069


 5.5552, 0.2763,
0.5336

 95.5707, 0.3045,
0.3995

 2.5766, 0.2588,
0.6124

 122.9235, 0.3054,
0.3934

 0.9149, 0.0169,
0.9831

 155.0529, 0.3061,
0.3883

 0.0000, 0.0000,
0.0000

192.3431, 0.3067,

0.3839

235.1787, 0.3072,
0.3801

■ 26.2371, 0.2972,
0.4424

■ 26.2371, 0.2972,
0.4424

■ 25.3698, 0.2947,
0.4727

■ 27.3043, 0.3003,
0.4132

■ 24.6868, 0.2931,
0.5028

■ 28.5794, 0.3037,
0.3861

■ 24.1754, 0.2925,
0.5311


■ 30.0740, 0.3073,
0.3614


■ 23.8199, 0.2931,
0.5557


■ 31.7977, 0.3109,
0.3393


■ 23.6004, 0.2946,
0.5752


■ 33.7597, 0.3144,
0.3199

 23.5204, 0.2952,
0.5828

 35.9686, 0.3178,
0.3029

 38.4326, 0.3210,
0.2882

 41.1596, 0.3239,
0.2754

 44.1570, 0.3267,
0.2643

Harmonies

Analogous

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



26.2371, 0.3660, 0.4600



26.2371, 0.2972, 0.4424



26.2371, 0.2362, 0.3796

Triad

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



26.2371, 0.2972, 0.4424



26.2371, 0.2061, 0.2232



26.2371, 0.4416, 0.3317

Complementary

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



26.2371, 0.2972, 0.4424



15.4511, 0.3342, 0.2377

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.



26.2371, 0.3884, 0.2820



26.2371, 0.2972, 0.4424



26.2371, 0.2498, 0.2222

Square

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



26.2371, 0.2972, 0.4424



26.2371, 0.1885, 0.2499



26.2371, 0.3156, 0.2433



26.2371, 0.4537, 0.3852

Rectangle

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



26.2371, 0.2972, 0.4424



26.2371, 0.2078, 0.3287



26.2371, 0.3156, 0.2433



26.2371, 0.4277, 0.3144

Sweetspot

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



26.2382, 0.2972, 0.4424



54.1133, 0.3076, 0.3593



29.9692, 0.3650, 0.4421



12.1166, 0.3069, 0.3641



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.



26.2382, 0.2972, 0.4424



45.4475, 0.2948, 0.4724



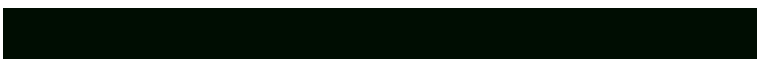
27.0322, 0.2704, 0.3727



6.9420, 0.3094, 0.3480



18.8953, 0.2949, 0.5817



0.2863, 0.2782, 0.5216

Inverse Universe

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



15.4511, 0.3342, 0.2377



23.6618, 0.3403, 0.2199



14.5574, 0.3890, 0.2905



6.3055, 0.3162, 0.3108



6.8636, 0.3684, 0.1803



0.1068, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 26.2371, 0.2972, 0.4424 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 26.2371, 0.2972, 0.4424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

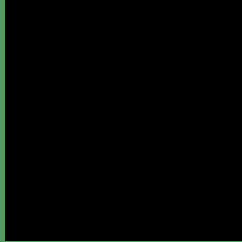
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.2371, 0.2972, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 26.2371, 0.2972, 0.4424.



This preview shows how white text looks on a background with the Yxy color 26.2371, 0.2972, 0.4424.

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

26.2371, 0.2972, 0.4424

Protanopia

25.7999, 0.3773, 0.4076

Deuteranopia

25.7337, 0.3857, 0.3774



Tritanopia

26.0233, 0.2583, 0.3078

Trichromacy



Original Color

26.2371, 0.2972, 0.4424

Protanomaly

25.5531, 0.3441, 0.4217

Deuteranomaly

25.2041, 0.3492, 0.4004

Tritanomaly

25.9699, 0.2728, 0.3548

Monochromacy



Original Color

26.2371, 0.2972, 0.4424

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.5970, 0.3065, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2371, 0.2972, 0.4424 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(85, 155, 97)` looks like.

```
.text, #text, p{  
  color:rgb(85, 155, 97)  
}
```

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(85, 155, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 155, 97) }
```

Border

The CSS property to change the border of an element to Yxy 26.2371, 0.2972, 0.4424 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(85, 155, 97) }
```

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

```
.border{ border-color:rgb(85, 155, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 155, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 155, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 155, 97);  
box-shadow:4px 4px 4px 4px rgb(85, 155,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2371, 0.2972, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 155, 97) }
```

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

```
.background{ background-color: rgb(85, 155,  
97) }
```

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