

Converting Colors

$Yxy(27.5786, 0.3085, 0.4359)$

Have a look what the booklet for
Yxy(27.5786, 0.3085, 0.4359)
contains.

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Color

$Y_{xy}(27.7241, 0.3085, 0.4372)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 649D63 |
| RGB | 100, 157, 99 |
| RGB Percent | 39%, 62%, 39% |
| CMY | 0.6079, 0.3843, 0.6117 |
| CMYK | 0.36, 0.00, 0.37, 0.38 |
| HSL | 119°, 23%, 50% |
| HSV | 119°, 37%, 62% |
| XYZ | 19.5629, 27.7241, 16.1259 |
| YIQ | 133.3450, -15.3540, -30.1220 |

Conversions

Conversions Part 2

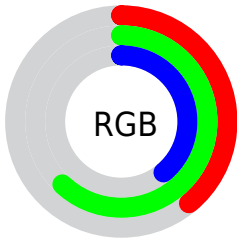
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 99, 157, 156 |
| Decimal | 6593891 |
| CIE _{Lab} | 59.64, -30.82, 24.60 |
| CIE _{LCh} | 60, 39.428, 141.405 |
| Y _{xy} | 27.7241, 0.3085, 0.4372 |
| Android (android.graphics.Color) | 4284783971 (0xFF649D63) |
| YUV | 133.3450, -16.9321, -29.2436 |
| Hunter-Lab | 52.6537, -25.8243, 18.6992 |

Details

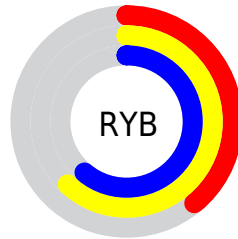
The Yxy color **27.7241, 0.3085, 0.4372** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.4311, 0.3156, 0.2397**, and the grayscale version is **23.6538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0613, 0.3109, 0.4131**, and **10.9951, 0.3033, 0.4822** is the 20% darker color. If you saturate the color by 10%, you get **26.6553, 0.3070, 0.4720**, and if you desaturate by 10%, it is **29.0204, 0.3099, 0.4040**.

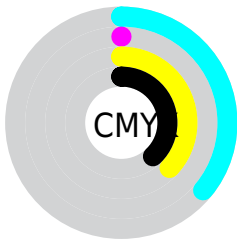
Distribution



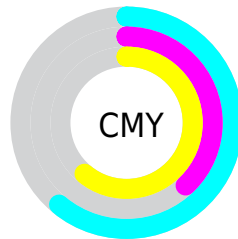
- Red (39%)
- Green (62%)
- Blue (39%)



- Red (39%)
- Yellow (62%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (38%)




- Cyan (61%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7241, 0.3085, 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 27.7241, 0.3085, 0.4372 by changing the saturation by 10% instead.


 27.7241, 0.3085,
0.4372


 27.7241, 0.3085,
0.4372


291.1462, 0.3126,
0.3754


 18.1178, 0.3064,
0.4557


 56.0437, 0.3106,
0.4126

 11.0346, 0.3029,
0.4815


 75.5257, 0.3112,
0.4041

 6.0901, 0.2963,
0.5198

 99.0684, 0.3116,
0.3971

 2.8999, 0.2841,
0.5852

 127.0562, 0.3120,
0.3913

 1.0797, 0.1952,
0.8048

159.8735, 0.3122,
0.3864

 0.0000, 0.0000,
0.0000

197.9047, 0.3124,

0.3822

241.5341, 0.3125,
0.3786

■ 27.7241, 0.3085,
0.4372

■ 27.7241, 0.3085,
0.4372

■ 26.6553, 0.3070,
0.4720

■ 29.0204, 0.3099,
0.4040

■ 25.7977, 0.3054,
0.5067

■ 30.5525, 0.3111,
0.3734

■ 25.1383, 0.3039,
0.5388


■ 32.3327, 0.3121,
0.3460


■ 24.6613, 0.3025,
0.5656


■ 34.3712, 0.3130,
0.3220


■ 24.3482, 0.3013,
0.5852

■ 36.6778, 0.3137,
0.3011

 24.1742, 0.3006,
0.5967

 39.2616, 0.3143,
0.2830

 24.1332, 0.3004,
0.5997

 42.1316, 0.3148,
0.2675

 45.2960, 0.3152,
0.2542

 48.7629, 0.3156,
0.2427

Harmonies

Analogous

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



27.7241, 0.3716, 0.4476



27.7241, 0.3085, 0.4372



27.7241, 0.2498, 0.3851

Triad

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



27.7241, 0.3085, 0.4372



27.7241, 0.2099, 0.2333



27.7241, 0.4256, 0.3251

Complementary

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



27.7241, 0.3085, 0.4372



18.4311, 0.3156, 0.2397

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.



27.7241, 0.3729, 0.2796



27.7241, 0.3085, 0.4372



27.7241, 0.2474, 0.2287

Square

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



27.7241, 0.3085, 0.4372



27.7241, 0.1972, 0.2626



27.7241, 0.3059, 0.2454



27.7241, 0.4432, 0.3749

Rectangle

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



27.7241, 0.3085, 0.4372



27.7241, 0.2209, 0.3393



27.7241, 0.3059, 0.2454



27.7241, 0.4112, 0.3091

Sweetspot

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



27.7253, 0.3085, 0.4372



56.4822, 0.3117, 0.3573



31.5370, 0.3677, 0.4158



12.3416, 0.3115, 0.3607



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.



27.7253, 0.3085, 0.4372



48.1014, 0.3073, 0.4647



28.2776, 0.2859, 0.3854



7.4061, 0.3119, 0.3521



19.6003, 0.3005, 0.5996



0.3518, 0.3029, 0.5977

Inverse Universe

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



18.4311, 0.3156, 0.2397



29.0747, 0.3161, 0.2218



17.7039, 0.3530, 0.2791



6.7489, 0.3135, 0.3069



7.5884, 0.3168, 0.1519



0.1373, 0.3186, 0.1529

Previews

White Background



This preview shows how the Yxy color 27.7241, 0.3085, 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 27.7241, 0.3085, 0.4372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

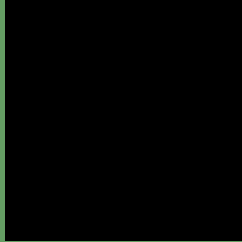
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7241, 0.3085, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 27.7241, 0.3085, 0.4372.



This preview shows how white text looks on a background with the Yxy color 27.7241, 0.3085, 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

27.7241, 0.3085, 0.4372

Protanopia

27.4038, 0.3777, 0.4088

Deuteranopia

27.4368, 0.3872, 0.3791



Tritanopia

27.5128, 0.2677, 0.3086

Trichromacy



Original Color

27.7241, 0.3085, 0.4372

Protanomaly

27.1569, 0.3501, 0.4199

Deuteranomaly

26.9256, 0.3564, 0.3990

Tritanomaly

27.4796, 0.2833, 0.3538

Monochromacy



Original Color

27.7241, 0.3085, 0.4372

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.7914, 0.3109, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7241, 0.3085, 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(100, 157, 99)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 99)  
}
```

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(100, 157, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 99) }
```

Border

The CSS property to change the border of an element to Yxy 27.7241, 0.3085, 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(100, 157, 99) }
```

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

```
.border{ border-color:rgb(100, 157, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 157, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 157, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 157, 99);  
box-shadow:4px 4px 4px 4px rgb(100, 157,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7241, 0.3085, 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(100, 157, 99) }
```

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

```
.background{ background-color: rgb(100,  
157, 99) }
```

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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