

Converting Colors

$Y_{xy}(27.7318, 0.3599, 0.4579)$

Have a look what the booklet for
Yxy(27.7318, 0.3599, 0.4579)
contains.

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Color

Yxy(27.7241, 0.3593, 0.4582)

Conversions

Conversions Part 1

Format	Color
Hex	82984C
RGB	130, 152, 76
RGB Percent	51%, 60%, 30%
CMY	0.4901, 0.4039, 0.7020
CMYK	0.14, 0.00, 0.50, 0.40
HSL	77°, 33%, 45%
HSV	77°, 50%, 60%
XYZ	21.7400, 27.7241, 11.0424
YIQ	136.7580, 11.2840, -28.3000

Conversions

Conversions Part 2

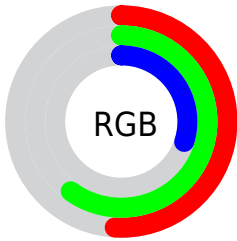
Format	Color
R_{YB}	76, 152, 98
Decimal	8558668
CIE _{Lab}	59.64, -20.25, 37.14
CIE _{LCh}	60, 42.304, 118.596
Yxy	27.7241, 0.3593, 0.4582
Android (android.graphics.Color)	4286748748 (0xFF82984C)
YUV	136.7580, -29.9537, -5.9268
Hunter-Lab	52.6537, -18.4437, 24.4234

Details

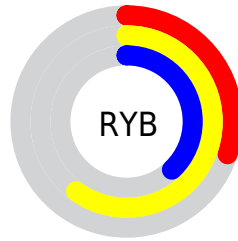
The Yxy color $27.7241, 0.3593, 0.4582$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.0318, 0.2449, 0.1849$, and the grayscale version is $25.0334, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.8653, 0.3513, 0.4298$, and $11.0488, 0.3693, 0.5052$ is the 20% darker color. If you saturate the color by 10%, you get $27.1979, 0.3657, 0.4826$, and if you desaturate by 10%, it is $28.3176, 0.3513, 0.4321$.

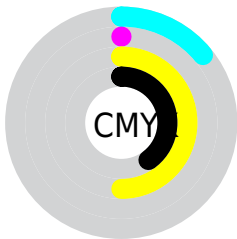
Distribution



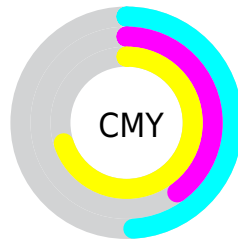
- Red (51%)
- Green (60%)
- Blue (30%)



- Red (30%)
- Yellow (60%)
- Blue (38%)



- Cyan (14%)
- Magenta (0%)
- Yellow (50%)
- Black (40%)




- Cyan (49%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7241, 0.3593, 0.4582 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, 0.3593, 0.4582 by changing the saturation by 10% instead.


 27.7241, 0.3593,
0.4582


 27.7241, 0.3593,
0.4582


291.1462, 0.3368,
0.3863


 18.1178, 0.3638,
0.4783


 56.0437, 0.3517,
0.4304

 11.0346, 0.3684,
0.5050


 75.5257, 0.3486,
0.4204


 6.0901, 0.3716,
0.5416

 99.0684, 0.3460,
0.4122

 2.8999, 0.3835,
0.6165

 127.0562, 0.3436,
0.4053

 1.0797, 0.3250,
0.6750

 159.8735, 0.3416,
0.3995

 0.0000, 0.0000,
0.0000

197.9047, 0.3398,

0.3945

241.5341, 0.3382,
0.3901

■ 27.7241, 0.3593,
0.4582

■ 27.7241, 0.3593,
0.4582

■ 27.1979, 0.3657,
0.4826

■ 28.3176, 0.3513,
0.4321

■ 26.7315, 0.3702,
0.5041

■ 28.9781, 0.3422,
0.4053

■ 26.3219, 0.3723,
0.5218

■ 29.7099, 0.3325,
0.3788

■ 25.9643, 0.3719,
0.5350

■ 30.5161, 0.3226,
0.3532

■ 25.6464, 0.3698,
0.5446

■ 31.3992, 0.3127,
0.3290

■ 32.3619, 0.3032,
0.3065

■ 33.4066, 0.2940,
0.2858

■ 34.5356, 0.2855,
0.2669

■ 35.7512, 0.2775,
0.2499

Harmonies

Analogous

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



27.7241, 0.4180, 0.4356



27.7241, 0.3593, 0.4582



27.7241, 0.2915, 0.4361

Triad

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



27.7241, 0.3593, 0.4582



27.7241, 0.1908, 0.2477



27.7241, 0.3932, 0.2869

Complementary

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



27.7241, 0.3593, 0.4582



10.0318, 0.2449, 0.1849

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, 0.3222, 0.2474



27.7241, 0.3593, 0.4582



27.7241, 0.2106, 0.2237

Square

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



27.7241, 0.3593, 0.4582



27.7241, 0.1980, 0.2994



27.7241, 0.2560, 0.2248



27.7241, 0.4423, 0.3367

Rectangle

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



27.7241, 0.3593, 0.4582



27.7241, 0.2503, 0.3961



27.7241, 0.2560, 0.2248



27.7241, 0.3706, 0.2722

Sweetspot

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



27.7253, 0.3593, 0.4582



53.0938, 0.3278, 0.3666



15.8455, 0.4287, 0.3656



12.0056, 0.3298, 0.3716



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.



27.7253, 0.3593, 0.4582



47.9050, 0.3664, 0.4852



25.2779, 0.3201, 0.4761



7.1331, 0.3218, 0.3513



21.5201, 0.3701, 0.5443



0.3400, 0.3932, 0.5260

Inverse Universe

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



10.0318, 0.2449, 0.1849



13.0132, 0.2259, 0.1505



12.6311, 0.2950, 0.2033



6.1086, 0.3031, 0.3063



2.3636, 0.1708, 0.0715



0.0522, 0.2148, 0.0957

Previews

White Background



This preview shows how the Yxy color 27.7241, 0.3593, 0.4582 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, 0.3593, 0.4582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

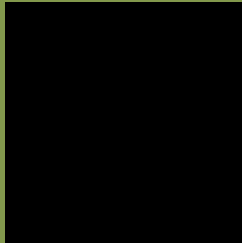
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7241, 0.3593, 0.4582

Background



This preview shows how black text looks on a background with the Yxy color 27.7241, 0.3593, 0.4582.



This preview shows how white text looks on a background with the Yxy color 27.7241, 0.3593, 0.4582.

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, 0.3593, 0.4582

Protanopia

27.3951, 0.4002, 0.4363

Deuteranopia

27.5845, 0.4184, 0.4111



Tritanopia

27.5869, 0.2981, 0.3097

Trichromacy



Original Color

27.7241, 0.3593, 0.4582

Protanomaly

27.3481, 0.3853, 0.4441

Deuteranomaly

27.2814, 0.3967, 0.4263

Tritanomaly

27.2984, 0.3217, 0.3629

Monochromacy



Original Color

27.7241, 0.3593, 0.4582

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.6521, 0.3312, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7241, 0.3593, 0.4582 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(130, 152, 76)` looks like.

```
.text, #text, p{  
    color:rgb(130, 152, 76)  
}
```

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(130, 152, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 152, 76) }
```

Border

The CSS property to change the border of an element to Yxy 27.7241, 0.3593, 0.4582 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(130, 152, 76) }
```

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

```
.border{ border-color:rgb(130, 152, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 152, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 152, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 152, 76);  
box-shadow:4px 4px 4px 4px rgb(130, 152,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7241, 0.3593, 0.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 152, 76) }
```

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

```
.background{ background-color: rgb(130,  
152, 76) }
```

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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