

Converting Colors

$Y_{xy}(27.7760, 0.3575, 0.4780)$

Have a look what the booklet for
Yxy(27.7760, 0.3575, 0.4780)
contains.

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Color

Yxy(27.7274, 0.3573, 0.4778)

Conversions

Conversions Part 1

Format	Color
Hex	7B9A43
RGB	123, 154, 67
RGB Percent	48%, 60%, 26%
CMY	0.5177, 0.3960, 0.7372
CMYK	0.20, 0.00, 0.56, 0.40
HSL	81°, 39%, 43%
HSV	81°, 56%, 60%
XYZ	20.7346, 27.7274, 9.5694
YIQ	134.8130, 9.4510, -33.6290

Conversions

Conversions Part 2

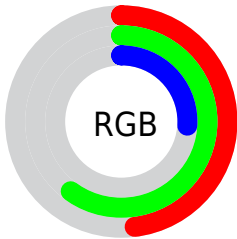
Format	Color
RYB	67, 154, 98
Decimal	8100419
CIELab	59.64, -25.05, 41.50
CIELCh	60, 48.470, 121.117
Yxy	27.7274, 0.3573, 0.4778
Android (android.graphics.Color)	4286290499 (0xFF7B9A43)
YUV	134.8130, -33.4318, -10.3600
Hunter-Lab	52.6568, -21.8617, 26.0849

Details

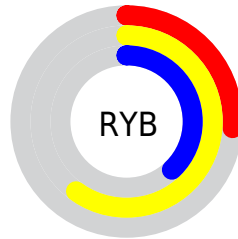
The Yxy color **27.7274, 0.3573, 0.4778** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.9467, 0.2410, 0.1674**, and the grayscale version is **24.2783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2560, 0.3505, 0.4460**, and **11.0746, 0.3622, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **27.1740, 0.3613, 0.5017**, and if you desaturate by 10%, it is **28.3552, 0.3514, 0.4515**.

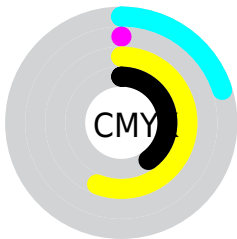
Distribution



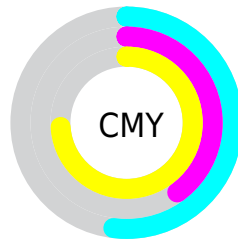
- Red (48%)
- Green (60%)
- Blue (26%)



- Red (26%)
- Yellow (60%)
- Blue (38%)



- Cyan (20%)
- Magenta (0%)
- Yellow (56%)
- Black (40%)



- Cyan (52%)
- Magenta (40%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7274, 0.3573, 0.4778 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 27.7274, 0.3573, 0.4778 by changing the saturation by 10% instead.


 27.7274, 0.3573,
0.4778


 27.7274, 0.3573,
0.4778


291.1620, 0.3370,
0.3947


 18.1203, 0.3605,
0.5009


 56.0489, 0.3510,
0.4457


 11.0364, 0.3628,
0.5315


 75.5321, 0.3482,
0.4341

 6.0913, 0.3626,
0.5741

 99.0761, 0.3458,
0.4246

 2.9007, 0.3578,
0.6422

 127.0653, 0.3436,
0.4167

 1.0801, 0.2717,
0.7283

 159.8841, 0.3417,
0.4099

 0.0000, 0.0000,
0.0000

197.9169, 0.3399,

0.4041

241.5481, 0.3384,
0.3991

■ 27.7274, 0.3573,
0.4778

■ 27.7274, 0.3573,
0.4778

■ 27.1740, 0.3613,
0.5017

■ 28.3552, 0.3514,
0.4515

■ 26.6868, 0.3632,
0.5222

■ 29.0575, 0.3442,
0.4241

■ 26.2623, 0.3626,
0.5382

■ 29.8393, 0.3360,
0.3967

■ 25.8929, 0.3599,
0.5497

■ 30.7037, 0.3273,
0.3700

■ 25.7712, 0.3588,
0.5533

■ 31.6540, 0.3184,
0.3446

■ 32.6929, 0.3097,
0.3209

■ 33.8234, 0.3012,
0.2991

■ 35.0479, 0.2932,
0.2793

■ 36.3690, 0.2856,
0.2613

Harmonies

Analogous

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



27.7274, 0.4259, 0.4520



27.7274, 0.3573, 0.4778



27.7274, 0.2809, 0.4490

Triad

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



27.7274, 0.3573, 0.4778



27.7274, 0.1770, 0.2328



27.7274, 0.4109, 0.2852

Complementary

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



27.7274, 0.3573, 0.4778



8.9467, 0.2410, 0.1674

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.



27.7274, 0.3299, 0.2405



27.7274, 0.3573, 0.4778



27.7274, 0.2011, 0.2097

Square

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



27.7274, 0.3573, 0.4778



27.7274, 0.1817, 0.2877



27.7274, 0.2536, 0.2136



27.7274, 0.4638, 0.3406

Rectangle

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



27.7274, 0.3573, 0.4778



27.7274, 0.2359, 0.3997



27.7274, 0.2536, 0.2136



27.7274, 0.3853, 0.2687

Sweetspot

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



27.7286, 0.3573, 0.4778



55.6299, 0.3280, 0.3722



15.9099, 0.4446, 0.3791



12.5240, 0.3296, 0.3770



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.



27.7286, 0.3573, 0.4778



49.0915, 0.3621, 0.5080



25.2272, 0.3148, 0.5000



7.1127, 0.3208, 0.3513



21.0144, 0.3593, 0.5529



0.3344, 0.3866, 0.5312

Inverse Universe

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



8.9467, 0.2410, 0.1674



11.4898, 0.2206, 0.1313



12.0071, 0.3000, 0.1914



6.1282, 0.3041, 0.3064



2.5795, 0.1799, 0.0765



0.0578, 0.2275, 0.1027

Previews

White Background



This preview shows how the Yxy color 27.7274, 0.3573, 0.4778 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 27.7274, 0.3573, 0.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

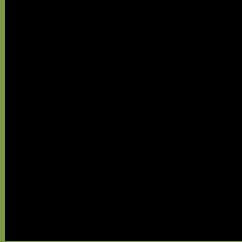
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7274, 0.3573, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 27.7274, 0.3573, 0.4778.



This preview shows how white text looks on a background with the Yxy color 27.7274, 0.3573, 0.4778.

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

27.7274, 0.3573, 0.4778

Protanopia

27.3860, 0.4089, 0.4471

Deuteranopia

27.3063, 0.4281, 0.4193



Tritanopia

27.7194, 0.2913, 0.3111

Trichromacy



Original Color

27.7274, 0.3573, 0.4778

Protanomaly

27.3601, 0.3896, 0.4586

Deuteranomaly

27.2552, 0.4016, 0.4408

Tritanomaly

27.3809, 0.3170, 0.3703

Monochromacy



Original Color

27.7274, 0.3573, 0.4778

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.2971, 0.3329, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7274, 0.3573, 0.4778 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(123, 154, 67)` looks like.

```
.text, #text, p{  
    color:rgb(123, 154, 67)  
}
```

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(123, 154, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 154, 67) }
```

Border

The CSS property to change the border of an element to Yxy 27.7274, 0.3573, 0.4778 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(123, 154, 67) }
```

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

```
.border{ border-color:rgb(123, 154, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 154, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 154, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 154, 67);  
box-shadow:4px 4px 4px 4px rgb(123, 154,  
67) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.7274, 0.3573, 0.4778$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 154, 67) }
```

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

```
.background{ background-color: rgb(123,  
154, 67) }
```

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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