

Converting Colors

$Y_{xy}(25.8521, 0.2977, 0.4780)$

Have a look what the booklet for
Yxy(25.8521, 0.2977, 0.4780)
contains.

Yxy(25.7257, 0.2974, 0.4778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.7257, 0.2974, 0.4778)

Conversions

Conversions Part 1

Format	Color
Hex	479C52
RGB	71, 156, 82
RGB Percent	28%, 61%, 32%
CMY	0.7214, 0.3882, 0.6784
CMYK	0.54, 0.00, 0.47, 0.39
HSL	128°, 37%, 45%
HSV	128°, 54%, 61%
XYZ	16.0126, 25.7257, 12.1037
YIQ	122.1490, -26.9060, -41.0340

Conversions

Conversions Part 2

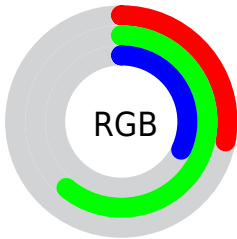
Format	Color
RYB	71, 146, 156
Decimal	4693074
CIELab	57.78, -41.85, 31.03
CIELCh	58, 52.101, 143.440
Yxy	25.7257, 0.2974, 0.4778
Android (android.graphics.Color)	4282883154 (0xFF479C52)
YUV	122.1490, -19.7935, -44.8577
Hunter-Lab	50.7205, -32.4079, 21.3557

Details

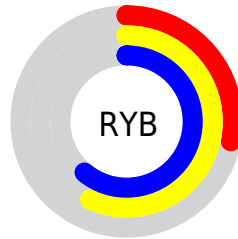
The Yxy color **25.7257, 0.2974, 0.4778** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.6264, 0.3344, 0.2162**, and the grayscale version is **19.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7176, 0.3028, 0.4418**, and **10.0161, 0.2843, 0.5436** is the 20% darker color. If you saturate the color by 10%, you get **25.0235, 0.2958, 0.5090**, and if you desaturate by 10%, it is **26.6225, 0.2996, 0.4462**.

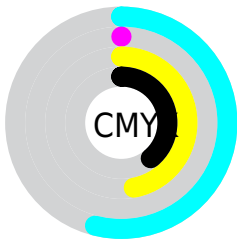
Distribution



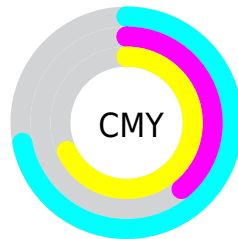
- Red (28%)
- Green (61%)
- Blue (32%)



- Red (28%)
- Yellow (57%)
- Blue (61%)



- Cyan (54%)
- Magenta (0%)
- Yellow (47%)
- Black (39%)




- Cyan (72%)
- Magenta (39%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7257, 0.2974, 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 25.7257, 0.2974, 0.4778 by changing the saturation by 10% instead.


 25.7257, 0.2974,
0.4778


 25.7257, 0.2974,
0.4778


281.4330, 0.3092,
0.3908


 16.6185, 0.2922,
0.5046


 52.8321, 0.3031,
0.4426

 9.9629, 0.2837,
0.5424

 71.6001, 0.3048,
0.4305

 5.3744, 0.2682,
0.5987

 94.3573, 0.3060,
0.4207

 2.4685, 0.2559,
0.7441

 121.4879, 0.3070,
0.4126

 0.8608, 0.0000,
1.0000

 153.3763, 0.3077,
0.4058

 0.0000, 0.0000,
0.0000

190.4071, 0.3083,

0.4001

232.9645, 0.3088,
0.3951

■ 25.7257, 0.2974,
0.4778

■ 25.7257, 0.2974,
0.4778

■ 25.0235, 0.2958,
0.5090

■ 26.6225, 0.2996,
0.4462

■ 24.4983, 0.2951,
0.5378

■ 27.7234, 0.3024,
0.4157

■ 24.1351, 0.2953,
0.5623

■ 29.0413, 0.3053,
0.3872

■ 23.9140, 0.2964,
0.5809

■ 30.5870, 0.3084,
0.3614

■ 23.8270, 0.2969,
0.5887

■ 32.3705, 0.3114,
0.3384

■ 34.4014, 0.3143,
0.3181

■ 36.6885, 0.3171,
0.3005

■ 39.2405, 0.3196,
0.2852

■ 42.0654, 0.3220,
0.2719

Harmonies

Analogous

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



25.7257, 0.3804, 0.4899



25.7257, 0.2974, 0.4778



25.7257, 0.2230, 0.3999

Triad

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



25.7257, 0.2974, 0.4778



25.7257, 0.1822, 0.2028



25.7257, 0.4689, 0.3241

Complementary

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



25.7257, 0.2974, 0.4778



13.6264, 0.3344, 0.2162

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.



25.7257, 0.3992, 0.2672



25.7257, 0.2974, 0.4778



25.7257, 0.2305, 0.2006

Square

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



25.7257, 0.2974, 0.4778



25.7257, 0.1642, 0.2351



25.7257, 0.3079, 0.2235



25.7257, 0.4860, 0.3867

Rectangle

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



25.7257, 0.2974, 0.4778



25.7257, 0.1885, 0.3339



25.7257, 0.3079, 0.2235



25.7257, 0.4505, 0.3042

Sweetspot

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



25.7268, 0.2974, 0.4778



55.0016, 0.3078, 0.3660



30.3506, 0.3786, 0.4615



11.9823, 0.3072, 0.3707



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.



25.7268, 0.2974, 0.4778



45.2532, 0.2956, 0.5145



26.5586, 0.2672, 0.3923



7.4143, 0.3100, 0.3491



19.6299, 0.2966, 0.5879



0.3545, 0.2835, 0.5407

Inverse Universe

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



13.6264, 0.3344, 0.2162



20.9789, 0.3402, 0.1975



12.5722, 0.4057, 0.2765



6.7399, 0.3156, 0.3097



7.2871, 0.3556, 0.1732



0.1340, 0.3400, 0.1646

Previews

White Background



This preview shows how the Yxy color 25.7257, 0.2974, 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 25.7257, 0.2974, 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 25.7257, 0.2974, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 25.7257, 0.2974, 0.4778.



This preview shows how white text looks on a background with the Yxy color 25.7257, 0.2974, 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

25.7257, 0.2974, 0.4778

Protanopia

25.3742, 0.3941, 0.4285

Deuteranopia

25.3141, 0.4033, 0.3967



Tritanopia

25.5443, 0.2517, 0.3075

Trichromacy



Original Color

25.7257, 0.2974, 0.4778



Protanomaly

25.0118, 0.3533, 0.4492



Deuteranomaly

24.5469, 0.3572, 0.4264



Tritanomaly

25.2904, 0.2682, 0.3653

Monochromacy



Original Color

25.7257, 0.2974, 0.4778



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

20.9953, 0.3058, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7257, 0.2974, 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(71, 156, 82)` looks like.

```
.text, #text, p{  
    color:rgb(71, 156, 82)  
}
```

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(71, 156, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 156, 82) }
```

Border

The CSS property to change the border of an element to Yxy 25.7257, 0.2974, 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(71, 156, 82) }
```

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

```
.border{ border-color:rgb(71, 156, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 156, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 156, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 156, 82);  
box-shadow:4px 4px 4px 4px rgb(71, 156,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7257, 0.2974, 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(71, 156, 82) }
```

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

```
.background{ background-color: rgb(71, 156,  
82) }
```

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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