

Converting Colors

$Y_{xy}(24.4675, 0.2804, 0.3993)$

Have a look what the booklet for
Yxy(24.4675, 0.2804, 0.3993)
contains.

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Color

$\text{Yxy}(24.4591, 0.2799, 0.3985)$

Conversions

Conversions Part 1

Format	Color
Hex	519572
RGB	81, 149, 114
RGB Percent	32%, 58%, 45%
CMY	0.6823, 0.4157, 0.5529
CMYK	0.46, 0.00, 0.23, 0.42
HSL	149°, 30%, 45%
HSV	149°, 46%, 58%
XYZ	17.1797, 24.4591, 19.7391
YIQ	124.6780, -29.2930, -25.3010

Conversions

Conversions Part 2

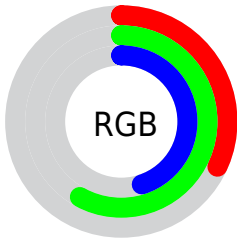
Format	Color
R _{YB}	81, 127, 149
Decimal	5346674
CIE _{Lab}	56.54, -29.99, 11.88
CIE _{LCh}	57, 32.259, 158.384
Y _{xy}	24.4591, 0.2799, 0.3985
Android (android.graphics.Color)	4283536754 (0xFF519572)
YUV	124.6780, -5.2643, -38.3056
Hunter-Lab	49.4561, -24.5423, 10.9552

Details

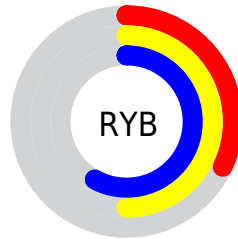
The Yxy color $24.4591, 0.2799, 0.3985$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.5381, 0.3684, 0.2697$, and the grayscale version is $20.4218, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.0072, 0.2876, 0.3829$, and $9.3617, 0.2659, 0.4290$ is the 20% darker color. If you saturate the color by 10%, you get $23.7049, 0.2750, 0.4173$, and if you desaturate by 10%, it is $25.3744, 0.2860, 0.3808$.

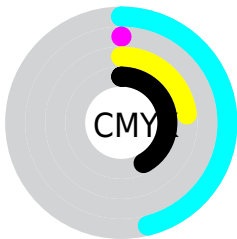
Distribution



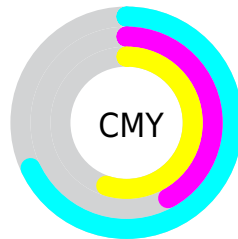
- Red (32%)
- Green (58%)
- Blue (45%)



- Red (32%)
- Yellow (50%)
- Blue (58%)



- Cyan (46%)
- Magenta (0%)
- Yellow (23%)
- Black (42%)





- Cyan (68%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4591, 0.2799, 0.3985 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 24.4591, 0.2799, 0.3985 by changing the saturation by 10% instead.


 24.4591, 0.2799,
0.3985


 24.4591, 0.2799,
0.3985


275.1334, 0.2988,
0.3585


 15.6745, 0.2741,
0.4108


 50.7784, 0.2875,
0.3824


 9.2941, 0.2658,
0.4283


 69.0818, 0.2901,
0.3769


 4.9335, 0.2532,
0.4552

 91.3271, 0.2922,
0.3724

 2.2083, 0.2315,
0.5012

 117.8984, 0.2940,
0.3686

 0.7245, 0.0000,
1.0000

 149.1804, 0.2955,
0.3655

 0.0000, 0.0000,
0.0000

185.5572, 0.2968,

0.3628

227.4135, 0.2979,
0.3605

■ 24.4591, 0.2799,
0.3985

■ 24.4591, 0.2799,
0.3985

■ 23.7049, 0.2750,
0.4173

■ 25.3744, 0.2860,
0.3808

■ 23.0989, 0.2715,
0.4368

■ 26.4568, 0.2929,
0.3644

■ 22.6311, 0.2698,
0.4566

■ 27.7156, 0.3004,
0.3495

■ 22.2886, 0.2700,
0.4761

■ 29.1587, 0.3083,
0.3360


■ 22.0541, 0.2720,
0.4948

■ 30.7933, 0.3162,
0.3239

 21.9668, 0.2730,
0.5028

 32.6262, 0.3241,
0.3132

 34.6642, 0.3318,
0.3037

 36.9133, 0.3393,
0.2954

 39.3796, 0.3465,
0.2882

Harmonies

Analogous

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



24.4591, 0.3341, 0.4288



24.4591, 0.2799, 0.3985



24.4591, 0.2369, 0.3443

Triad

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



24.4591, 0.2799, 0.3985



24.4591, 0.2397, 0.2411



24.4591, 0.4218, 0.3515

Complementary

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



24.4591, 0.2799, 0.3985



13.5381, 0.3684, 0.2697

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.



24.4591, 0.3923, 0.3084



24.4591, 0.2799, 0.3985



24.4591, 0.2837, 0.2477

Square

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



24.4591, 0.2799, 0.3985



24.4591, 0.2158, 0.2550



24.4591, 0.3399, 0.2717



24.4591, 0.4183, 0.3935

Rectangle

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



24.4591, 0.2799, 0.3985



24.4591, 0.2195, 0.3072



24.4591, 0.3399, 0.2717



24.4591, 0.4155, 0.3368

Sweetspot

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



24.4601, 0.2799, 0.3985



49.9626, 0.3015, 0.3476



25.8118, 0.3412, 0.4527



10.9666, 0.2999, 0.3503



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.4601, 0.2799, 0.3985



42.3935, 0.2748, 0.4182



25.3788, 0.2540, 0.3309



6.5125, 0.3054, 0.3406



18.4943, 0.2727, 0.5016



0.2323, 0.2507, 0.4224

Inverse Universe

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



13.5381, 0.3684, 0.2697



20.2482, 0.3878, 0.2574



12.8885, 0.4285, 0.3274



5.8622, 0.3207, 0.3177



5.8309, 0.4849, 0.2445



0.0773, 0.3999, 0.1977

Previews

White Background



This preview shows how the Yxy color 24.4591, 0.2799, 0.3985 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 24.4591, 0.2799, 0.3985 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 24.4591, 0.2799, 0.3985

Background



This preview shows how black text looks on a background with the Yxy color 24.4591, 0.2799, 0.3985.



This preview shows how white text looks on a background with the Yxy color 24.4591, 0.2799, 0.3985.

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

24.4591, 0.2799, 0.3985

Protanopia

24.2291, 0.3524, 0.3770

Deuteranopia

24.1433, 0.3551, 0.3488



Tritanopia

24.5372, 0.2544, 0.3089

Trichromacy



Original Color

24.4591, 0.2799, 0.3985

Protanomaly

23.8750, 0.3210, 0.3843

Deuteranomaly

23.6877, 0.3222, 0.3650

Tritanomaly

24.4775, 0.2633, 0.3402

Monochromacy



Original Color

24.4591, 0.2799, 0.3985

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6819, 0.2984, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4591, 0.2799, 0.3985 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(81, 149, 114)` looks like.

```
.text, #text, p{  
    color:rgb(81, 149, 114)  
}
```

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(81, 149, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 149, 114) }
```

Border

The CSS property to change the border of an element to Yxy 24.4591, 0.2799, 0.3985 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(81, 149, 114) }
```

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

```
.border{ border-color:rgb(81, 149, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 149, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 149, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 149, 114);  
box-shadow:4px 4px 4px 4px rgb(81, 149,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4591, 0.2799, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 149, 114) }
```

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

```
.background{ background-color: rgb(81, 149,  
114) }
```

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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