

Converting Colors

$Y_{xy}(24.9341, 0.2539, 0.3509)$

Have a look what the booklet for
Yxy(24.9341, 0.2539, 0.3509)
contains.

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Color

Yxy(24.9498, 0.2542, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	46968A
RGB	70, 150, 138
RGB Percent	27%, 59%, 54%
CMY	0.7256, 0.4117, 0.4588
CMYK	0.53, 0.00, 0.08, 0.41
HSL	171°, 36%, 43%
HSV	171°, 53%, 59%
XYZ	18.0177, 24.9498, 27.9126
YIQ	124.7120, -43.8280, -20.6920

Conversions

Conversions Part 2

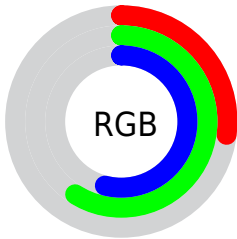
Format	Color
RYB	70, 113, 150
Decimal	4626058
CIELab	57.03, -27.54, -1.14
CIElCh	57, 27.567, 182.376
Yxy	24.9498, 0.2542, 0.3520
Android (android.graphics.Color)	4282816138 (0xFF46968A)
YUV	124.7120, 6.5510, -47.9824
Hunter-Lab	49.9498, -23.0242, 1.8328

Details

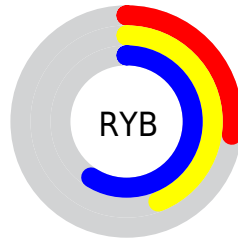
The Yxy color **24.9498, 0.2542, 0.3520** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.4691, 0.4392, 0.3092**, and the grayscale version is **20.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7842, 0.2670, 0.3483**, and **9.6283, 0.2338, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **24.3967, 0.2475, 0.3571**, and if you desaturate by 10%, it is **25.6455, 0.2626, 0.3471**.

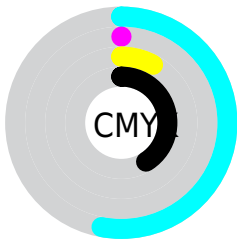
Distribution



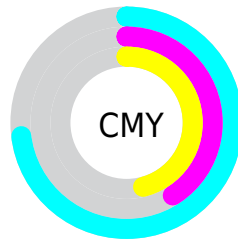
- Red (27%)
- Green (59%)
- Blue (54%)



- Red (27%)
- Yellow (44%)
- Blue (59%)



- Cyan (53%)
- Magenta (0%)
- Yellow (8%)
- Black (41%)





- Cyan (73%)
- Magenta (41%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9498, 0.2542, 0.3520 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 24.9498, 0.2542, 0.3520 by changing the saturation by 10% instead.


 24.9498, 0.2542,
0.3520


 24.9498, 0.2542,
0.3520


277.5879, 0.2862,
0.3395


 16.0397, 0.2452,
0.3555


 51.5758, 0.2666,
0.3472


 9.5522, 0.2329,
0.3601


 70.0604, 0.2710,
0.3455


 5.1031, 0.2152,
0.3667

 92.5053, 0.2746,
0.3441

 2.3079, 0.1879,
0.3767

 119.2949, 0.2777,
0.3429

 0.7779, 0.0378,
0.4391

 150.8135, 0.2803,
0.3419

 0.0000, 0.0000,
0.0000

187.4456, 0.2826,

0.3410

229.5756, 0.2845,
0.3402

■ 24.9498, 0.2542,
0.3520

■ 24.9498, 0.2542,
0.3520

■ 24.3967, 0.2475,
0.3571

■ 25.6455, 0.2626,
0.3471

■ 23.9728, 0.2425,
0.3622

■ 26.4904, 0.2725,
0.3424

■ 23.6668, 0.2394,
0.3674

■ 27.4941, 0.2836,
0.3380

■ 23.4644, 0.2381,
0.3726

■ 28.6647, 0.2956,
0.3339

■ 23.3607, 0.2378,
0.3761

■ 30.0096, 0.3083,
0.3302

■ 31.5358, 0.3215,
0.3268

■ 33.2499, 0.3348,
0.3237

■ 35.1583, 0.3482,
0.3210

■ 37.2669, 0.3614,
0.3186

Harmonies

Analogous

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



24.9498, 0.2942, 0.3944



24.9498, 0.2542, 0.3520



24.9498, 0.2306, 0.3055

Triad

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



24.9498, 0.2542, 0.3520



24.9498, 0.2795, 0.2563



24.9498, 0.4055, 0.3786

Complementary

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



24.9498, 0.2542, 0.3520



11.4691, 0.4392, 0.3092

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.



24.9498, 0.4023, 0.3417



24.9498, 0.2542, 0.3520



24.9498, 0.3263, 0.2744

Square

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



24.9498, 0.2542, 0.3520



24.9498, 0.2444, 0.2543



24.9498, 0.3725, 0.3047



24.9498, 0.3823, 0.4066

Rectangle

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



24.9498, 0.2542, 0.3520



24.9498, 0.2261, 0.2805



24.9498, 0.3725, 0.3047



24.9498, 0.4076, 0.3668

Sweetspot

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



24.9508, 0.2542, 0.3520



49.9399, 0.2920, 0.3351



24.0491, 0.3151, 0.4893



10.9820, 0.2897, 0.3359



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.



24.9508, 0.2542, 0.3520



42.8912, 0.2464, 0.3581



17.4200, 0.2348, 0.2729



6.5474, 0.3008, 0.3323



19.3766, 0.2377, 0.3757



0.2404, 0.2307, 0.3506

Inverse Universe

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



11.4691, 0.4392, 0.3092



16.5049, 0.4863, 0.3069



15.6578, 0.4342, 0.3767



5.8287, 0.3260, 0.3257



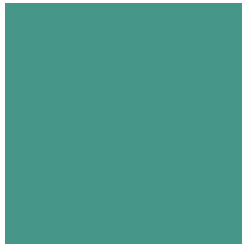
5.4306, 0.6150, 0.3161



0.0692, 0.5329, 0.2709

Previews

White Background



This preview shows how the Yxy color 24.9498, 0.2542, 0.3520 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 24.9498, 0.2542, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

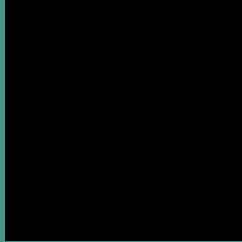
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9498, 0.2542, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 24.9498, 0.2542, 0.3520.

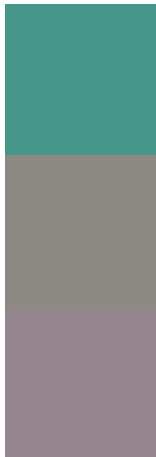


This preview shows how white text looks on a background with the Yxy color 24.9498, 0.2542, 0.3520.

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

24.9498, 0.2542, 0.3520

Protanopia

24.7955, 0.3235, 0.3392

Deuteranopia

24.6586, 0.3192, 0.3127



Tritanopia

24.9484, 0.2430, 0.3070

Trichromacy



Original Color

24.9498, 0.2542, 0.3520

Protanomaly

24.3880, 0.2933, 0.3434

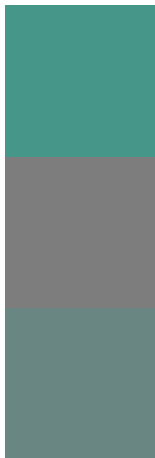
Deuteranomaly

24.3103, 0.2898, 0.3254

Tritanomaly

24.8700, 0.2469, 0.3232

Monochromacy



Original Color

24.9498, 0.2542, 0.3520

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6652, 0.2855, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9498, 0.2542, 0.3520 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(70, 150, 138)` looks like.

```
.text, #text, p{  
  color:rgb(70, 150, 138)  
}
```

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(70, 150, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 150, 138) }
```

Border

The CSS property to change the border of an element to Yxy 24.9498, 0.2542, 0.3520 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(70, 150, 138) }
```

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

```
.border{ border-color:rgb(70, 150, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 150, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 150, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 150, 138);  
box-shadow:4px 4px 4px 4px rgb(70, 150,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9498, 0.2542, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 150, 138) }
```

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

```
.background{ background-color: rgb(70, 150,  
138) }
```

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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