

Converting Colors

$Y_{xy}(25.3480, 0.2488, 0.3388)$

Have a look what the booklet for
Yxy(25.3480, 0.2488, 0.3388)
contains.

Yxy(25.4428, 0.2491, 0.3402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.4428, 0.2491, 0.3402)$

Conversions

Conversions Part 1

Format	Color
Hex	459791
RGB	69, 151, 145
RGB Percent	27%, 59%, 57%
CMY	0.7295, 0.4078, 0.4314
CMYK	0.54, 0.00, 0.04, 0.41
HSL	176°, 37%, 43%
HSV	176°, 54%, 59%
XYZ	18.6296, 25.4428, 30.7153
YIQ	125.7980, -46.9460, -19.2500

Conversions

Conversions Part 2

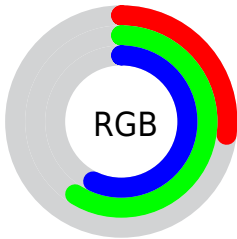
Format	Color
RYB	69, 112, 151
Decimal	4560785
CIELab	57.50, -26.39, -4.44
CIElCh	58, 26.758, 189.544
Yxy	25.4428, 0.2491, 0.3402
Android (android.graphics.Color)	4282750865 (0xFF459791)
YUV	125.7980, 9.4666, -49.8118
Hunter-Lab	50.4409, -22.3450, -0.7953

Details

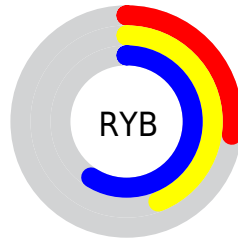
The Yxy color **25.4428, 0.2491, 0.3402** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.3402, 0.4553, 0.3195**, and the grayscale version is **20.7689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5512, 0.2621, 0.3384**, and **9.9406, 0.2287, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **24.9264, 0.2420, 0.3426**, and if you desaturate by 10%, it is **26.1020, 0.2579, 0.3379**.

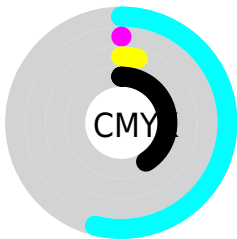
Distribution



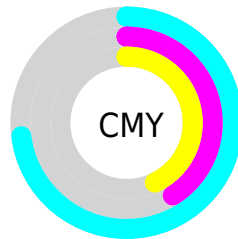
- Red (27%)
- Green (59%)
- Blue (57%)



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



- Cyan (54%)
- Magenta (0%)
- Yellow (4%)
- Black (41%)





- Cyan (73%)
- Magenta (41%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4428, 0.2491, 0.3402 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 25.4428, 0.2491, 0.3402 by changing the saturation by 10% instead.


 25.4428, 0.2491,
0.3402


 25.4428, 0.2491,
0.3402


280.0360, 0.2836,
0.3346


 16.4073, 0.2395,
0.3415


 52.3747, 0.2623,
0.3382

 9.8128, 0.2266,
0.3432


 71.0398, 0.2671,
0.3374

 5.2750, 0.2082,
0.3452

 93.6836, 0.2710,
0.3368

 2.4095, 0.1803,
0.3474

 120.6904, 0.2744,
0.3362

 0.8308, 0.0657,
0.3754

 152.4446, 0.2772,
0.3357

 0.0000, 0.0000,
0.0000

189.3307, 0.2796,

0.3353

231.7330, 0.2817,
0.3349

■ 25.4428, 0.2491,
0.3402

■ 25.4428, 0.2491,
0.3402

■ 24.9264, 0.2420,
0.3426

■ 26.1020, 0.2579,
0.3379

■ 24.5389, 0.2367,
0.3450

■ 26.9109, 0.2683,
0.3356

■ 24.2689, 0.2333,
0.3474

■ 27.8792, 0.2801,
0.3335

■ 24.1011, 0.2315,
0.3498

■ 29.0152, 0.2929,
0.3316

■ 24.0273, 0.2309,
0.3512

■ 30.3265, 0.3066,
0.3297

■ 31.8202, 0.3208,
0.3281

■ 33.5031, 0.3354,
0.3266

■ 35.3817, 0.3500,
0.3253

■ 37.4619, 0.3644,
0.3241

Harmonies

Analogous

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



25.4428, 0.2847, 0.3835



25.4428, 0.2491, 0.3402



25.4428, 0.2307, 0.2971

Triad

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



25.4428, 0.2491, 0.3402



25.4428, 0.2908, 0.2615



25.4428, 0.3990, 0.3847

Complementary

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



25.4428, 0.2491, 0.3402



11.3402, 0.4553, 0.3195

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.



25.4428, 0.4023, 0.3503



25.4428, 0.2491, 0.3402



25.4428, 0.3372, 0.2823

Square

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



25.4428, 0.2491, 0.3402



25.4428, 0.2534, 0.2557



25.4428, 0.3792, 0.3138



25.4428, 0.3716, 0.4079

Rectangle

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



25.4428, 0.2491, 0.3402



25.4428, 0.2295, 0.2754



25.4428, 0.3792, 0.3138



25.4428, 0.4031, 0.3740

Sweetspot

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



25.4438, 0.2491, 0.3402



51.5274, 0.2903, 0.3319



24.0933, 0.3103, 0.4949



11.6220, 0.2879, 0.3323



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.



25.4438, 0.2491, 0.3402



44.4809, 0.2408, 0.3431



16.1804, 0.2312, 0.2601



7.0187, 0.2998, 0.3306



20.4403, 0.2308, 0.3510



0.3076, 0.2279, 0.3402

Inverse Universe

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



11.3402, 0.4553, 0.3195



16.5560, 0.5073, 0.3188



16.7400, 0.4318, 0.3865



6.2297, 0.3272, 0.3274



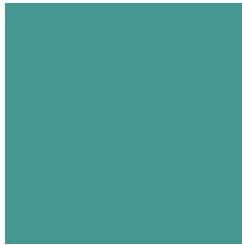
5.6197, 0.6295, 0.3241



0.0857, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 25.4428, 0.2491, 0.3402 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 25.4428, 0.2491, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

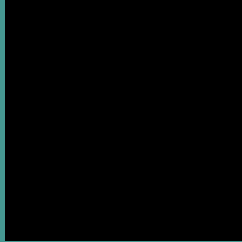
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4428, 0.2491, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 25.4428, 0.2491, 0.3402.

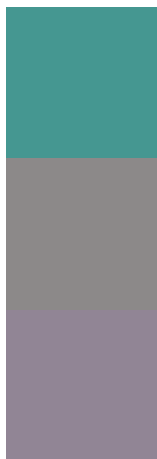


This preview shows how white text looks on a background with the Yxy color 25.4428, 0.2491, 0.3402.

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

25.4428, 0.2491, 0.3402

Protanopia

25.2729, 0.3160, 0.3290

Deuteranopia

24.9647, 0.3095, 0.3031



Tritanopia

25.5640, 0.2413, 0.3071

Trichromacy



Original Color

25.4428, 0.2491, 0.3402

Protanomaly

24.8169, 0.2860, 0.3325

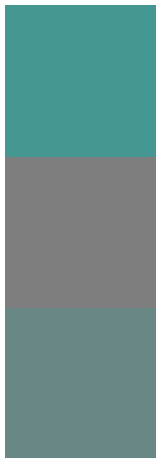
Deuteranomaly

24.6762, 0.2815, 0.3149

Tritanomaly

25.5957, 0.2444, 0.3196

Monochromacy



Original Color

25.4428, 0.2491, 0.3402

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.0247, 0.2828, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4428, 0.2491, 0.3402 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(69, 151, 145)` looks like.

```
.text, #text, p{  
    color:rgb(69, 151, 145)  
}
```

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(69, 151, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 151, 145) }
```

Border

The CSS property to change the border of an element to Yxy 25.4428, 0.2491, 0.3402 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(69, 151, 145) }
```

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

```
.border{ border-color:rgb(69, 151, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 151, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 151, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 151, 145);  
box-shadow:4px 4px 4px 4px rgb(69, 151,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4428, 0.2491, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 151, 145) }
```

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

```
.background{ background-color: rgb(69, 151,  
145) }
```

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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