

Converting Colors

$Y_{xy}(25.5015, 0.2650, 0.3199)$

Have a look what the booklet for
Yxy(25.5015, 0.2650, 0.3199)
contains.

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Color

$Y_{xy}(25.5015, 0.2650, 0.3199)$

Conversions

Conversions Part 1

Format	Color
Hex	649297
RGB	100, 146, 151
RGB Percent	39%, 57%, 59%
CMY	0.6076, 0.4275, 0.4078
CMYK	0.34, 0.03, 0.00, 0.41
HSL	186°, 20%, 49%
HSV	186°, 34%, 59%
XYZ	21.1250, 25.5015, 33.0906
YIQ	132.8160, -29.0210, -8.1970

Conversions

Conversions Part 2

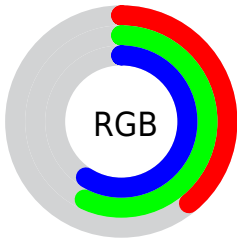
Format	Color
RYB	100, 124, 151
Decimal	6591127
CIELab	57.56, -14.20, -7.64
CIElCh	58, 16.125, 208.267
Yxy	25.5015, 0.2650, 0.3199
Android (android.graphics.Color)	4284781207 (0xFF649297)
YUV	132.8160, 8.9647, -28.7796
Hunter-Lab	50.4990, -13.7021, -3.5017

Details

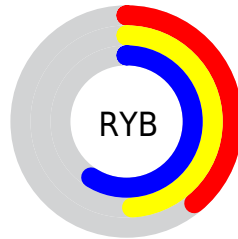
The Yxy color **25.5015, 0.2650, 0.3199** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.6186, 0.3859, 0.3378**, and the grayscale version is **23.3642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4886, 0.2752, 0.3224**, and **9.7826, 0.2484, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **24.2639, 0.2530, 0.3168**, and if you desaturate by 10%, it is **26.9068, 0.2782, 0.3228**.

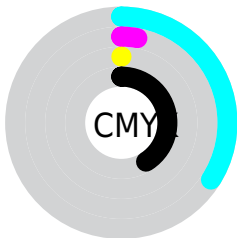
Distribution



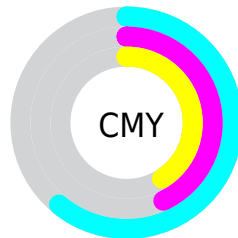
- Red (39%)
- Green (57%)
- Blue (59%)



- Red (39%)
- Yellow (49%)
- Blue (59%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)
- Black (41%)





- Cyan (61%)
- Magenta (43%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5015, 0.2650, 0.3199 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 25.5015, 0.2650, 0.3199 by changing the saturation by 10% instead.


 25.5015, 0.2650,
0.3199


 25.5015, 0.2650,
0.3199


280.3263, 0.2909,
0.3253

 16.4511, 0.2578,
0.3182


 52.4696, 0.2749,
0.3221

 9.8439, 0.2480,
0.3157


 71.1562, 0.2785,
0.3229

 5.2956, 0.2341,
0.3119

 93.8235, 0.2815,
0.3235

 2.4217, 0.2128,
0.3052

 120.8560, 0.2839,
0.3240

 0.8370, 0.1594,
0.2973

152.6382, 0.2861,
0.3244

 0.0000, 0.0000,
0.0000

189.5544, 0.2879,

0.3248

231.9890, 0.2895,
0.3251

■ 25.5015, 0.2650,
0.3199

■ 25.5015, 0.2650,
0.3199

■ 24.2639, 0.2530,
0.3168

■ 26.9068, 0.2782,
0.3228

■ 23.1819, 0.2425,
0.3136

■ 28.4848, 0.2923,
0.3256

■ 22.2471, 0.2337,
0.3103

■ 30.2442, 0.3071,
0.3281

■ 21.4484, 0.2266,
0.3070

■ 32.1922, 0.3222,
0.3304

■ 20.7735, 0.2214,
0.3037

■ 34.3355, 0.3375,
0.3325

■ 20.2076, 0.2179,
0.3004

■ 36.6804, 0.3527,
0.3344

■ 19.8832, 0.2162,
0.2983

■ 39.2333, 0.3677,
0.3360

■ 41.9998, 0.3822,
0.3375

■ 44.9856, 0.3963,
0.3387

Harmonies

Analogous

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



25.5015, 0.2813, 0.3461



25.5015, 0.2650, 0.3199



25.5015, 0.2609, 0.2978

Triad

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



25.5015, 0.2650, 0.3199



25.5015, 0.3173, 0.2940



25.5015, 0.3564, 0.3733

Complementary

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



25.5015, 0.2650, 0.3199



17.6186, 0.3859, 0.3378

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.



25.5015, 0.3673, 0.3570



25.5015, 0.2650, 0.3199



25.5015, 0.3442, 0.3121

Square

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



25.5015, 0.2650, 0.3199



25.5015, 0.2902, 0.2843



25.5015, 0.3628, 0.3347



25.5015, 0.3339, 0.3779

Rectangle

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



25.5015, 0.2650, 0.3199



25.5015, 0.2655, 0.2882



25.5015, 0.3628, 0.3347



25.5015, 0.3616, 0.3689

Sweetspot

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



25.5025, 0.2650, 0.3199



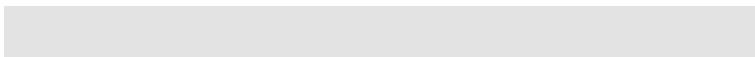
52.0846, 0.2975, 0.3265



25.8541, 0.3046, 0.4179



11.7476, 0.2956, 0.3262



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.



25.5025, 0.2650, 0.3199



44.0707, 0.2564, 0.3177



18.6910, 0.2592, 0.2734



6.9226, 0.2989, 0.3267



16.9360, 0.2163, 0.2985



0.2793, 0.2203, 0.3132

Inverse Universe

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



17.7798, 0.3229, 0.2550



28.3525, 0.3254, 0.2399



23.4074, 0.3725, 0.3787



6.3132, 0.3151, 0.3092



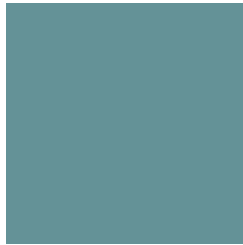
7.1150, 0.3467, 0.1684



0.1090, 0.3340, 0.1613

Previews

White Background



This preview shows how the Yxy color 25.5015, 0.2650, 0.3199 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 25.5015, 0.2650, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

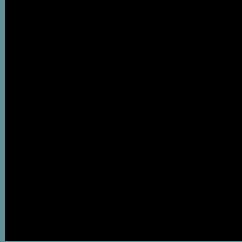
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5015, 0.2650, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 25.5015, 0.2650, 0.3199.

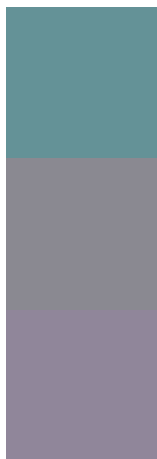


This preview shows how white text looks on a background with the Yxy color 25.5015, 0.2650, 0.3199.

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

25.5015, 0.2650, 0.3199

Protanopia

25.3389, 0.3057, 0.3157

Deuteranopia

25.3126, 0.3033, 0.2969



Tritanopia

25.4518, 0.2609, 0.3077

Trichromacy



Original Color

25.5015, 0.2650, 0.3199

Protanomaly

25.1478, 0.2893, 0.3169

Deuteranomaly

25.0661, 0.2877, 0.3037

Tritanomaly

25.3841, 0.2624, 0.3112

Monochromacy



Original Color

25.5015, 0.2650, 0.3199

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.1354, 0.2927, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5015, 0.2650, 0.3199 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(100, 146, 151)` looks like.

```
.text, #text, p{  
    color:rgb(100, 146, 151)  
}
```

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(100, 146, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 146, 151) }
```

Border

The CSS property to change the border of an element to Yxy 25.5015, 0.2650, 0.3199 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(100, 146, 151) }
```

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

```
.border{ border-color:rgb(100, 146, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 146, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 146, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 146, 151);  
box-shadow:4px 4px 4px 4px rgb(100, 146,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5015, 0.2650, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 146, 151) }
```

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

```
.background{ background-color: rgb(100,  
146, 151) }
```

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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