

Converting Colors

$Y_{xy}(24.1296, 0.2374, 0.3147)$

Have a look what the booklet for
Yxy(24.1296, 0.2374, 0.3147)
contains.

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Color

Yxy(24.2247, 0.2378, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	3E939A
RGB	62, 147, 154
RGB Percent	24%, 58%, 60%
CMY	0.7568, 0.4235, 0.3961
CMYK	0.60, 0.05, 0.00, 0.40
HSL	185°, 43%, 42%
HSV	185°, 60%, 60%
XYZ	18.2530, 24.2247, 34.2799
YIQ	122.3830, -52.9070, -15.8430

Conversions

Conversions Part 2

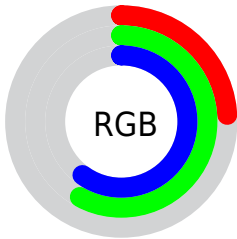
Format	Color
RYB	62, 106, 154
Decimal	4101018
CIELab	56.31, -23.22, -11.38
CIElCh	56, 25.859, 206.113
Yxy	24.2247, 0.2378, 0.3156
Android (android.graphics.Color)	4282291098 (0xFF3E939A)
YUV	122.3830, 15.5872, -52.9559
Hunter-Lab	49.2186, -19.9349, -6.8415

Details

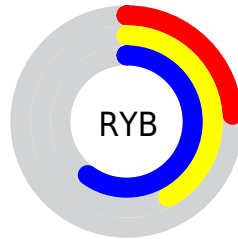
The Yxy color **24.2247, 0.2378, 0.3156** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.4739, 0.4842, 0.3404**, and the grayscale version is **19.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2493, 0.2534, 0.3192**, and **9.3450, 0.2191, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **23.4343, 0.2303, 0.3131**, and if you desaturate by 10%, it is **25.1618, 0.2471, 0.3181**.

Distribution



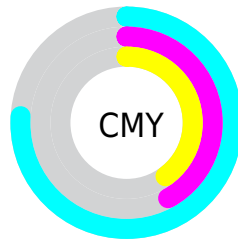
- Red (24%)
- Green (58%)
- Blue (60%)



- Red (24%)
- Yellow (42%)
- Blue (60%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)




- Cyan (76%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2247, 0.2378, 0.3156 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 24.2247, 0.2378, 0.3156 by changing the saturation by 10% instead.


 24.2247, 0.2378,
0.3156


 24.2247, 0.2378,
0.3156


273.9545, 0.2783,
0.3240


 15.5004, 0.2266,
0.3127


 50.3966, 0.2533,
0.3192

 9.1713, 0.2117,
0.3085


 68.6130, 0.2589,
0.3203


 4.8531, 0.1906,
0.3018


 90.7623, 0.2635,
0.3213

 2.1613, 0.1593,
0.2897

 117.2287, 0.2674,
0.3220

 0.6988, 0.0392,
0.2815

 148.3968, 0.2707,
0.3227

 0.0000, 0.0000,
0.0000

184.6508, 0.2736,

0.3232

226.3753, 0.2761,
0.3236

■ 24.2247, 0.2378,
0.3156

■ 24.2247, 0.2378,
0.3156

■ 23.4343, 0.2303,
0.3131

■ 25.1618, 0.2471,
0.3181

■ 22.7754, 0.2247,
0.3105

■ 26.2535, 0.2580,
0.3205

■ 22.2346, 0.2208,
0.3080

■ 27.5107, 0.2703,
0.3229

■ 21.7778, 0.2183,
0.3055

■ 28.9422, 0.2838,
0.3251

■ 21.7654, 0.2182,
0.3054

■ 30.5565, 0.2982,
0.3272

■ 32.3613, 0.3131,
0.3291

■ 34.3638, 0.3285,
0.3308

■ 36.5711, 0.3439,
0.3323

■ 38.9897, 0.3592,
0.3337

Harmonies

Analogous

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



24.2247, 0.2641, 0.3601



24.2247, 0.2378, 0.3156



24.2247, 0.2304, 0.2795

Triad

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



24.2247, 0.2378, 0.3156



24.2247, 0.3160, 0.2723



24.2247, 0.3851, 0.3985

Complementary

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



24.2247, 0.2378, 0.3156



11.4739, 0.4842, 0.3404

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.



24.2247, 0.4022, 0.3695



24.2247, 0.2378, 0.3156



24.2247, 0.3610, 0.2992

Square

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



24.2247, 0.2378, 0.3156



24.2247, 0.2731, 0.2580



24.2247, 0.3935, 0.3338



24.2247, 0.3489, 0.4104

Rectangle

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



24.2247, 0.2378, 0.3156



24.2247, 0.2366, 0.2644



24.2247, 0.3935, 0.3338



24.2247, 0.3934, 0.3902

Sweetspot

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



24.2256, 0.2378, 0.3156



52.9648, 0.2857, 0.3254



24.5512, 0.3002, 0.5051



11.8168, 0.2819, 0.3248



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.



24.2256, 0.2378, 0.3156



42.1053, 0.2280, 0.3121



12.8353, 0.2174, 0.2222



6.9462, 0.2989, 0.3273



17.7590, 0.2182, 0.3056



0.2861, 0.2213, 0.3168

Inverse Universe

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



12.4230, 0.3294, 0.2014



19.0845, 0.3336, 0.1820



19.2821, 0.4329, 0.4127



6.3155, 0.3148, 0.3087



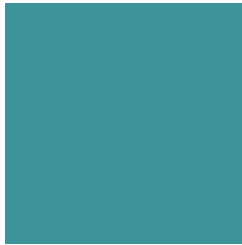
7.1981, 0.3405, 0.1649



0.1097, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 24.2247, 0.2378, 0.3156 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 24.2247, 0.2378, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

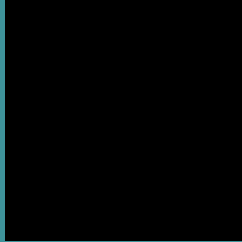
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2247, 0.2378, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 24.2247, 0.2378, 0.3156.

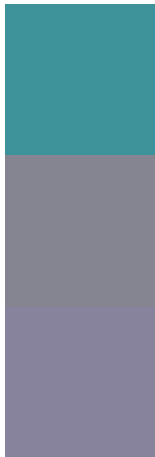


This preview shows how white text looks on a background with the Yxy color 24.2247, 0.2378, 0.3156.

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

24.2247, 0.2378, 0.3156

Protanopia

23.8059, 0.3004, 0.3086

Deuteranopia

23.9012, 0.2917, 0.2863



Tritanopia

24.1164, 0.2359, 0.3064

Trichromacy



Original Color

24.2247, 0.2378, 0.3156

Protanomaly

23.4409, 0.2718, 0.3109

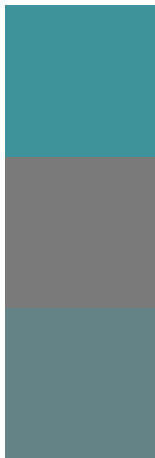
Deuteranomaly

23.5428, 0.2668, 0.2955

Tritanomaly

24.0489, 0.2360, 0.3082

Monochromacy



Original Color

24.2247, 0.2378, 0.3156

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.6632, 0.2764, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2247, 0.2378, 0.3156 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(62, 147, 154)` looks like.

```
.text, #text, p{  
    color:rgb(62, 147, 154)  
}
```

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(62, 147, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 147, 154) }
```

Border

The CSS property to change the border of an element to Yxy 24.2247, 0.2378, 0.3156 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(62, 147, 154) }
```

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

```
.border{ border-color:rgb(62, 147, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 147, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 147, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 147, 154);  
box-shadow:4px 4px 4px 4px rgb(62, 147,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2247, 0.2378, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 147, 154) }
```

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

```
.background{ background-color: rgb(62, 147,  
154) }
```

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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