

Converting Colors

$Y_{xy}(24.0722, 0.2342, 0.3136)$

Have a look what the booklet for
Yxy(24.0722, 0.2342, 0.3136)
contains.

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Color

Yxy(24.0747, 0.2342, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	38939B
RGB	56, 147, 155
RGB Percent	22%, 58%, 61%
CMY	0.7806, 0.4235, 0.3921
CMYK	0.64, 0.05, 0.00, 0.39
HSL	185°, 47%, 41%
HSV	185°, 64%, 61%
XYZ	17.9793, 24.0747, 34.7149
YIQ	120.7030, -56.8040, -16.8040

Conversions

Conversions Part 2

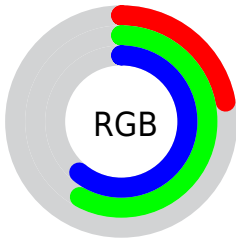
Format	Color
RYB	56, 103, 155
Decimal	3707803
CIELab	56.16, -24.02, -12.21
CIElCh	56, 26.950, 206.947
Yxy	24.0747, 0.2342, 0.3136
Android (android.graphics.Color)	4281897883 (0xFF38939B)
YUV	120.7030, 16.9084, -56.7445
Hunter-Lab	49.0660, -20.4577, -7.6023

Details

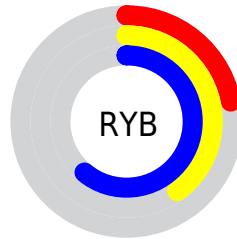
The Yxy color **24.0747, 0.2342, 0.3136** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9161, 0.5024, 0.3414**, and the grayscale version is **18.9739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0216, 0.2508, 0.3178**, and **9.3652, 0.2184, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **23.3090, 0.2274, 0.3109**, and if you desaturate by 10%, it is **24.9847, 0.2428, 0.3163**.

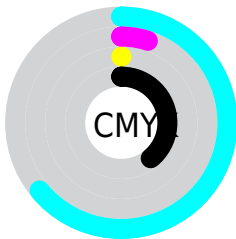
Distribution



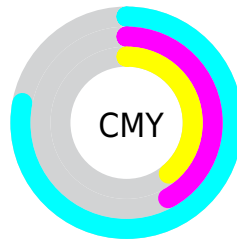
- Red (22%)
- Green (58%)
- Blue (61%)



- Red (22%)
- Yellow (40%)
- Blue (61%)



- Cyan (64%)
- Magenta (5%)
- Yellow (0%)
- Black (39%)



- Cyan (78%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0747, 0.2342, 0.3136 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 24.0747, 0.2342, 0.3136 by changing the saturation by 10% instead.


 24.0747, 0.2342,
0.3136


 24.0747, 0.2342,
0.3136


273.1979, 0.2766,
0.3232


 15.3890, 0.2225,
0.3104


 50.1521, 0.2504,
0.3177

 9.0929, 0.2069,
0.3056


 68.3126, 0.2562,
0.3190

 4.8018, 0.1851,
0.2980

 90.4002, 0.2611,
0.3201

 2.1315, 0.1528,
0.2845

 116.7992, 0.2652,
0.3210

 0.6822, 0.0249,
0.2741

 147.8941, 0.2687,
0.3217

 0.0000, 0.0000,
0.0000

184.0693, 0.2717,

0.3223

225.7091, 0.2743,
0.3228

■ 24.0747, 0.2342,
0.3136

■ 24.0747, 0.2342,
0.3136

■ 23.3090, 0.2274,
0.3109

■ 24.9847, 0.2428,
0.3163

■ 22.6715, 0.2225,
0.3082

■ 26.0480, 0.2531,
0.3189

■ 22.1474, 0.2193,
0.3055

■ 27.2756, 0.2649,
0.3215

■ 21.8577, 0.2178,
0.3039

■ 28.6772, 0.2780,
0.3239

■ 30.2614, 0.2920,
0.3261

■ 32.0363, 0.3068,
0.3282

■ 34.0096, 0.3220,
0.3301

■ 36.1885, 0.3374,
0.3319

■ 38.5798, 0.3528,
0.3334

Harmonies

Analogous

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



24.0747, 0.2610, 0.3602



24.0747, 0.2342, 0.3136



24.0747, 0.2272, 0.2764

Triad

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



24.0747, 0.2342, 0.3136



24.0747, 0.3174, 0.2706



24.0747, 0.3874, 0.4020

Complementary

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



24.0747, 0.2342, 0.3136



10.9161, 0.5024, 0.3414

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.



24.0747, 0.4060, 0.3719



24.0747, 0.2342, 0.3136



24.0747, 0.3643, 0.2989

Square

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



24.0747, 0.2342, 0.3136



24.0747, 0.2724, 0.2554



24.0747, 0.3978, 0.3348



24.0747, 0.3490, 0.4141

Rectangle

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



24.0747, 0.2342, 0.3136



24.0747, 0.2339, 0.2611



24.0747, 0.3978, 0.3348



24.0747, 0.3963, 0.3934

Sweetspot

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



24.0756, 0.2342, 0.3136



52.5946, 0.2843, 0.3249



24.6400, 0.2996, 0.5185



11.7362, 0.2805, 0.3243



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.



24.0756, 0.2342, 0.3136



41.1851, 0.2249, 0.3096



12.1060, 0.2111, 0.2131



6.9411, 0.2989, 0.3271



17.5791, 0.2178, 0.3041



0.2846, 0.2211, 0.3160

Inverse Universe

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



11.8996, 0.3315, 0.1953



18.1305, 0.3361, 0.1772



18.8616, 0.4431, 0.4171



6.3150, 0.3149, 0.3088



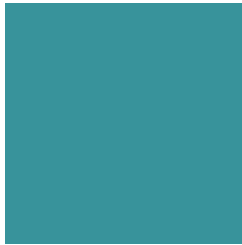
7.1799, 0.3418, 0.1657



0.1095, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 24.0747, 0.2342, 0.3136 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 24.0747, 0.2342, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

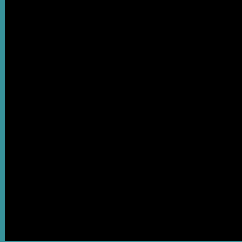
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0747, 0.2342, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 24.0747, 0.2342, 0.3136.

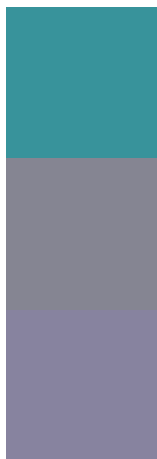


This preview shows how white text looks on a background with the Yxy color 24.0747, 0.2342, 0.3136.

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

24.0747, 0.2342, 0.3136

Protanopia

23.8369, 0.2994, 0.3070

Deuteranopia

23.8867, 0.2888, 0.2831



Tritanopia

23.9259, 0.2329, 0.3062

Trichromacy



Original Color

24.0747, 0.2342, 0.3136

Protanomaly

23.3501, 0.2692, 0.3090

Deuteranomaly

23.4241, 0.2625, 0.2919

Tritanomaly

23.8619, 0.2330, 0.3080

Monochromacy



Original Color

24.0747, 0.2342, 0.3136

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2001, 0.2742, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0747, 0.2342, 0.3136 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(56, 147, 155)` looks like.

```
.text, #text, p{  
    color:rgb(56, 147, 155)  
}
```

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(56, 147, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 147, 155) }
```

Border

The CSS property to change the border of an element to Yxy 24.0747, 0.2342, 0.3136 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(56, 147, 155) }
```

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

```
.border{ border-color:rgb(56, 147, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 147, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 147, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 147, 155);  
box-shadow:4px 4px 4px 4px rgb(56, 147,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0747, 0.2342, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 147, 155) }
```

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

```
.background{ background-color: rgb(56, 147,  
155) }
```

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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