

Converting Colors

$Yxy(23.9214, 0.2304, 0.3140)$

Have a look what the booklet for
Yxy(23.9214, 0.2304, 0.3140)
contains.

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Color

Yxy(23.8383, 0.2304, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	2F939B
RGB	47, 147, 155
RGB Percent	18%, 58%, 61%
CMY	0.8159, 0.4235, 0.3922
CMYK	0.70, 0.05, 0.00, 0.39
HSL	184°, 53%, 40%
HSV	184°, 70%, 61%
XYZ	17.5194, 23.8383, 34.6815
YIQ	118.0120, -62.1680, -18.7120

Conversions

Conversions Part 2

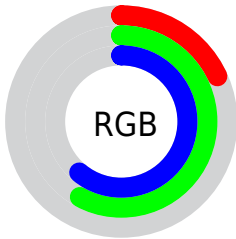
Format	Color
RYB	47, 99, 155
Decimal	3117979
CIELab	55.93, -25.47, -12.58
CIElCh	56, 28.407, 206.280
Yxy	23.8383, 0.2304, 0.3135
Android (android.graphics.Color)	4281308059 (0xFF2F939B)
YUV	118.0120, 18.2351, -62.2775
Hunter-Lab	48.8245, -21.3926, -7.9383

Details

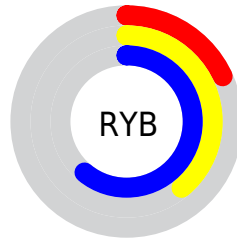
The Yxy color **23.8383, 0.2304, 0.3135** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8975, 0.5294, 0.3405**, and the grayscale version is **18.0731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5649, 0.2473, 0.3177**, and **9.3652, 0.2184, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **23.1802, 0.2248, 0.3110**, and if you desaturate by 10%, it is **24.6325, 0.2379, 0.3160**.

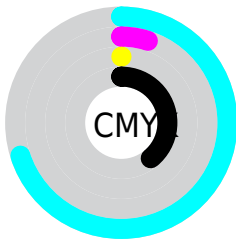
Distribution



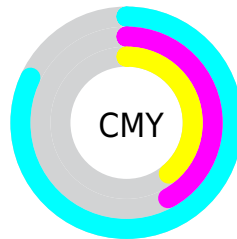
- Red (18%)
- Green (58%)
- Blue (61%)



- Red (18%)
- Yellow (39%)
- Blue (61%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (39%)



- Cyan (82%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8383, 0.2304, 0.3135 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 23.8383, 0.2304, 0.3135 by changing the saturation by 10% instead.

23.8383, 0.2304,
0.3135

23.8383, 0.2304,
0.3135

272.0020, 0.2749,
0.3233

15.2137, 0.2182,
0.3101

49.7662, 0.2474,
0.3177

8.9695, 0.2019,
0.3052

67.8383, 0.2535,
0.3190

4.7213, 0.1791,
0.2972

89.8284, 0.2586,
0.3201

2.0847, 0.1456,
0.2830

116.1208, 0.2629,
0.3210

0.6560, 0.0007,
0.2735

147.1000, 0.2665,
0.3217

0.0000, 0.0000,
0.0000

183.1503, 0.2697,

0.3224

224.6562, 0.2725,
0.3229

■ 23.8383, 0.2304,
0.3135

■ 23.8383, 0.2304,
0.3135

■ 23.1802, 0.2248,
0.3110

■ 24.6325, 0.2379,
0.3160

■ 22.6409, 0.2209,
0.3086

■ 25.5726, 0.2471,
0.3184

■ 22.1869, 0.2184,
0.3062

■ 26.6704, 0.2580,
0.3208

■ 22.1739, 0.2184,
0.3061

■ 27.9361, 0.2703,
0.3230

■ 29.3786, 0.2838,
0.3252

■ 31.0064, 0.2982,
0.3272

■ 32.8274, 0.3132,
0.3291

■ 34.8491, 0.3285,
0.3307

■ 37.0784, 0.3439,
0.3323

Harmonies

Analogous

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



23.8383, 0.2589, 0.3631



23.8383, 0.2304, 0.3135



23.8383, 0.2227, 0.2740

Triad

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



23.8383, 0.2304, 0.3135



23.8383, 0.3164, 0.2671



23.8383, 0.3921, 0.4053

Complementary

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



23.8383, 0.2304, 0.3135



9.8975, 0.5294, 0.3405

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.



23.8383, 0.4115, 0.3731



23.8383, 0.2304, 0.3135



23.8383, 0.3663, 0.2964

Square

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



23.8383, 0.2304, 0.3135



23.8383, 0.2692, 0.2514



23.8383, 0.4022, 0.3339



23.8383, 0.3519, 0.4192

Rectangle

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



23.8383, 0.2304, 0.3135



23.8383, 0.2294, 0.2578



23.8383, 0.4022, 0.3339



23.8383, 0.4014, 0.3960

Sweetspot

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



23.8392, 0.2304, 0.3135



52.1615, 0.2814, 0.3248



24.3089, 0.2989, 0.5360



11.6532, 0.2779, 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.



23.8392, 0.2304, 0.3135



40.9247, 0.2223, 0.3096



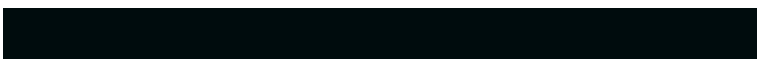
10.9330, 0.2029, 0.2005



6.9485, 0.2989, 0.3273



17.8378, 0.2184, 0.3063



0.2867, 0.2214, 0.3172

Inverse Universe

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



11.1031, 0.3321, 0.1863



17.1977, 0.3366, 0.1707



17.9331, 0.4570, 0.4223



6.3158, 0.3148, 0.3087



7.2060, 0.3399, 0.1646



0.1098, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 23.8383, 0.2304, 0.3135 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 23.8383, 0.2304, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

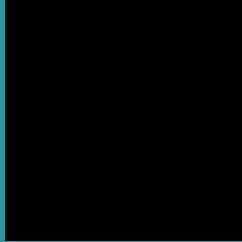
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8383, 0.2304, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 23.8383, 0.2304, 0.3135.

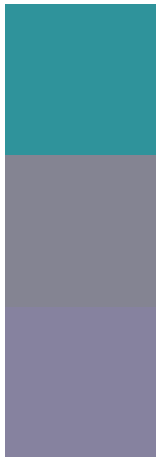


This preview shows how white text looks on a background with the Yxy color 23.8383, 0.2304, 0.3135.

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

23.8383, 0.2304, 0.3135

Protanopia

23.4834, 0.2983, 0.3052

Deuteranopia

23.5368, 0.2877, 0.2813



Tritanopia

23.6794, 0.2290, 0.3060

Trichromacy



Original Color

23.8383, 0.2304, 0.3135

Protanomaly

22.8279, 0.2654, 0.3070

Deuteranomaly

22.9017, 0.2588, 0.2897

Tritanomaly

23.6205, 0.2291, 0.3078

Monochromacy



Original Color

23.8383, 0.2304, 0.3135

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.6145, 0.2710, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8383, 0.2304, 0.3135 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(47, 147, 155)` looks like.

```
.text, #text, p{  
    color:rgb(47, 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(47, 147, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 147, 155) }
```

Border

The CSS property to change the border of an element to Yxy 23.8383, 0.2304, 0.3135 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(47, 147, 155) }
```

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

```
.border{ border-color:rgb(47, 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(47, 147, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 147, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 147, 155);  
box-shadow:4px 4px 4px 4px rgb(47, 147,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8383, 0.2304, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 147, 155) }
```

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

```
.background{ background-color: rgb(47, 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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