

Converting Colors

$Yxy(23.9715, 0.2314, 0.3117)$

Have a look what the booklet for
Yxy(23.9715, 0.2314, 0.3117)
contains.

Yxy(23.9715, 0.2314, 0.3117)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9715, 0.2314, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	33939C
RGB	51, 147, 156
RGB Percent	20%, 58%, 61%
CMY	0.8003, 0.4235, 0.3883
CMYK	0.67, 0.06, 0.00, 0.39
HSL	185°, 51%, 41%
HSV	185°, 67%, 61%
XYZ	17.7960, 23.9715, 35.1382
YIQ	119.3220, -60.1050, -17.5530

Conversions

Conversions Part 2

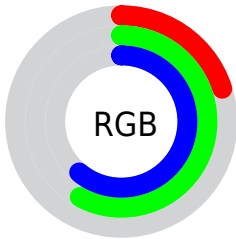
Format	Color
R_{YB}	51, 101, 156
Decimal	3380124
CIE _{Lab}	56.06, -24.56, -12.94
CIE _{LCh}	56, 27.760, 207.793
Yxy	23.9715, 0.2314, 0.3117
Android (android.graphics.Color)	4281570204 (0xFF33939C)
YUV	119.3220, 18.0823, -59.9184
Hunter-Lab	48.9607, -20.8010, -8.2789

Details

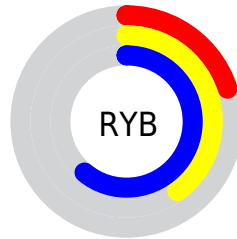
The Yxy color **23.9715, 0.2314, 0.3117** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.5272, 0.5174, 0.3423**, and the grayscale version is **18.5046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8059, 0.2482, 0.3164**, and **9.3857, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **23.2212, 0.2252, 0.3088**, and if you desaturate by 10%, it is **24.8643, 0.2394, 0.3146**.

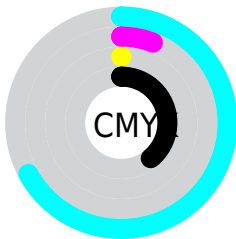
Distribution



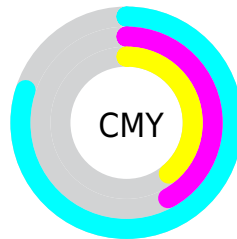
- Red (20%)
- Green (58%)
- Blue (61%)



- Red (20%)
- Yellow (40%)
- Blue (61%)



- Cyan (67%)
- Magenta (6%)
- Yellow (0%)
- Black (39%)



- Cyan (80%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9715, 0.2314, 0.3117 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 23.9715, 0.2314, 0.3117 by changing the saturation by 10% instead.

■ 23.9715, 0.2314,
0.3117

■ 23.9715, 0.2314,
0.3117

272.6764, 0.2753,
0.3225

■ 15.3125, 0.2194,
0.3081

■ 49.9837, 0.2481,
0.3162

■ 9.0390, 0.2033,
0.3028

■ 68.1056, 0.2542,
0.3177

■ 4.7666, 0.1808,
0.2944

■ 90.1507, 0.2592,
0.3189

■ 2.1110, 0.1478,
0.2797

■ 116.5033, 0.2634,
0.3199

■ 0.6708, 0.0152,
0.2671

■ 147.5477, 0.2671,
0.3207

■ 0.0000, 0.0000,
0.0000

183.6685, 0.2702,

0.3214

225.2499, 0.2729,
0.3220

■ 23.9715, 0.2314,
0.3117

■ 23.9715, 0.2314,
0.3117

■ 23.2212, 0.2252,
0.3088

■ 24.8643, 0.2394,
0.3146

■ 22.5964, 0.2208,
0.3060

■ 25.9092, 0.2492,
0.3174

■ 22.0743, 0.2180,
0.3031

■ 27.1179, 0.2606,
0.3201

■ 21.9420, 0.2173,
0.3024

■ 28.5005, 0.2733,
0.3227

■ 30.0660, 0.2871,
0.3252

■ 31.8228, 0.3016,
0.3274

■ 33.7788, 0.3167,
0.3295

■ 35.9416, 0.3321,
0.3314

■ 38.3181, 0.3475,
0.3331

Harmonies

Analogous

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



23.9715, 0.2583, 0.3599



23.9715, 0.2314, 0.3117



23.9715, 0.2248, 0.2739

Triad

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



23.9715, 0.2314, 0.3117



23.9715, 0.3189, 0.2696



23.9715, 0.3887, 0.4048

Complementary

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



23.9715, 0.2314, 0.3117



10.5272, 0.5174, 0.3423

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.



23.9715, 0.4088, 0.3740



23.9715, 0.2314, 0.3117



23.9715, 0.3672, 0.2989

Square

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



23.9715, 0.2314, 0.3117



23.9715, 0.2723, 0.2535



23.9715, 0.4012, 0.3359



23.9715, 0.3487, 0.4169

Rectangle

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



23.9715, 0.2314, 0.3117



23.9715, 0.2321, 0.2586



23.9715, 0.4012, 0.3359



23.9715, 0.3981, 0.3960

Sweetspot

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



23.9724, 0.2314, 0.3117



53.7133, 0.2828, 0.3244



24.7993, 0.2982, 0.5262



11.6553, 0.2792, 0.3238



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.



23.9724, 0.2314, 0.3117



41.5580, 0.2227, 0.3073



11.2324, 0.2052, 0.2018



7.4124, 0.2988, 0.3270



18.1001, 0.2174, 0.3026



0.3492, 0.2206, 0.3140

Inverse Universe

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



11.5349, 0.3334, 0.1908



17.9848, 0.3383, 0.1743



18.9410, 0.4493, 0.4230



6.7448, 0.3150, 0.3088



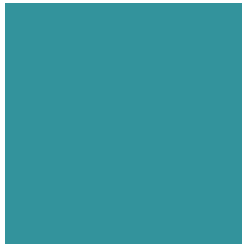
7.4494, 0.3432, 0.1664



0.1358, 0.3333, 0.1610

Previews

White Background



This preview shows how the Yxy color 23.9715, 0.2314, 0.3117 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 23.9715, 0.2314, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

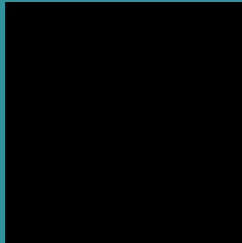
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9715, 0.2314, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 23.9715, 0.2314, 0.3117.

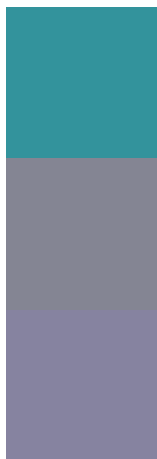


This preview shows how white text looks on a background with the Yxy color 23.9715, 0.2314, 0.3117.

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

23.9715, 0.2314, 0.3117

Protanopia

23.7872, 0.2973, 0.3052

Deuteranopia

23.8390, 0.2868, 0.2814



Tritanopia

24.1007, 0.2301, 0.3062

Trichromacy



Original Color

23.9715, 0.2314, 0.3117

Protanomaly

23.2625, 0.2666, 0.3072

Deuteranomaly

23.3376, 0.2599, 0.2901

Tritanomaly

24.0661, 0.2307, 0.3080

Monochromacy



Original Color

23.9715, 0.2314, 0.3117

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.7461, 0.2720, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9715, 0.2314, 0.3117 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(51, 147, 156)` looks like.

```
.text, #text, p{  
    color:rgb(51, 147, 156)  
}
```

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(51, 147, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 147, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.9715, 0.2314, 0.3117 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(51, 147, 156) }
```

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

```
.border{ border-color:rgb(51, 147, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 147, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 147, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 147, 156); box-shadow:4px 4px 4px 4px rgb(51, 147, 156) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.9715, 0.2314, 0.3117$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 147, 156) }
```

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

```
.background{ background-color: rgb(51, 147,  
156) }
```

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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