

Converting Colors

$Y_{xy}(23.3815, 0.2304, 0.3148)$

Have a look what the booklet for
Yxy(23.3815, 0.2304, 0.3148)
contains.

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Color

Yxy(23.4156, 0.2304, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	2D9299
RGB	45, 146, 153
RGB Percent	18%, 57%, 60%
CMY	0.8229, 0.4275, 0.4000
CMYK	0.70, 0.05, 0.00, 0.40
HSL	184°, 54%, 39%
HSV	184°, 70%, 60%
XYZ	17.1160, 23.4156, 33.7565
YIQ	116.5990, -62.4430, -19.2350

Conversions

Conversions Part 2

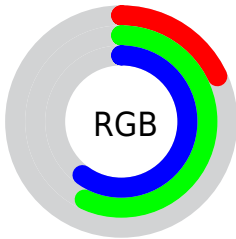
Format	Color
RYB	45, 97, 153
Decimal	2986649
CIELab	55.50, -25.83, -12.09
CIELCh	55, 28.518, 205.083
Yxy	23.4156, 0.2304, 0.3152
Android (android.graphics.Color)	4281176729 (0xFF2D9299)
YUV	116.5990, 17.9457, -62.7923
Hunter-Lab	48.3897, -21.5445, -7.4878

Details

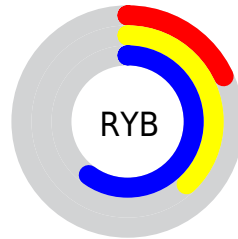
The Yxy color **23.4156, 0.2304, 0.3152** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.4345, 0.5338, 0.3391**, and the grayscale version is **17.6301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9393, 0.2476, 0.3190**, and **9.1437, 0.2191, 0.3086** is the 20% darker color. If you saturate the color by 10%, you get **22.8235, 0.2250, 0.3130**, and if you desaturate by 10%, it is **24.1381, 0.2376, 0.3174**.

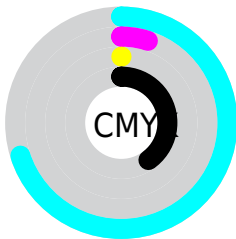
Distribution



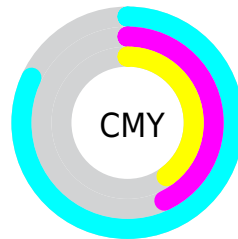
- Red (18%)
- Green (57%)
- Blue (60%)



- Red (18%)
- Yellow (38%)
- Blue (60%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)





- Cyan (82%)
- Magenta (43%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4156, 0.2304, 0.3152 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 23.4156, 0.2304, 0.3152 by changing the saturation by 10% instead.


 23.4156, 0.2304,
0.3152


 23.4156, 0.2304,
0.3152

269.8525, 0.2750,
0.3241


 14.9007, 0.2181,
0.3121


 49.0748, 0.2475,
0.3190


 8.7497, 0.2016,
0.3074

 66.9880, 0.2536,
0.3203

 4.5783, 0.1785,
0.2999

 88.8026, 0.2587,
0.3213

 2.0020, 0.1444,
0.2862

 114.9032, 0.2630,
0.3221

 0.6086, 0.0000,
0.2735

 145.6740, 0.2667,
0.3227

 0.0000, 0.0000,
0.0000

181.4996, 0.2698,

0.3232

222.7643, 0.2726,
0.3237

■ 23.4156, 0.2304,
0.3152

■ 23.4156, 0.2304,
0.3152

■ 22.8235, 0.2250,
0.3130

■ 24.1381, 0.2376,
0.3174

■ 22.3447, 0.2214,
0.3109

■ 25.0005, 0.2466,
0.3195

■ 21.9613, 0.2191,
0.3089

■ 26.0145, 0.2573,
0.3216

■ 27.1897, 0.2694,
0.3236

■ 28.5351, 0.2828,
0.3255

■ 30.0589, 0.2970,
0.3273

■ 31.7687, 0.3120,
0.3289

■ 33.6719, 0.3273,
0.3304

■ 35.7751, 0.3427,
0.3318

Harmonies

Analogous

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



23.4156, 0.2599, 0.3654



23.4156, 0.2304, 0.3152



23.4156, 0.2217, 0.2747

Triad

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



23.4156, 0.2304, 0.3152



23.4156, 0.3144, 0.2656



23.4156, 0.3941, 0.4050

Complementary

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



23.4156, 0.2304, 0.3152



9.4345, 0.5338, 0.3391

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.



23.4156, 0.4127, 0.3719



23.4156, 0.2304, 0.3152



23.4156, 0.3649, 0.2947

Square

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



23.4156, 0.2304, 0.3152



23.4156, 0.2671, 0.2504



23.4156, 0.4022, 0.3323



23.4156, 0.3541, 0.4200

Rectangle

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



23.4156, 0.2304, 0.3152



23.4156, 0.2280, 0.2578



23.4156, 0.4022, 0.3323



23.4156, 0.4032, 0.3953

Sweetspot

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



23.4165, 0.2304, 0.3152



50.8628, 0.2815, 0.3253



23.5807, 0.2998, 0.5409



11.0929, 0.2781, 0.3249



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.



23.4165, 0.2304, 0.3152



40.3180, 0.2226, 0.3117



10.8113, 0.2030, 0.2029



6.9577, 0.2989, 0.3275



18.1679, 0.2192, 0.3090



0.2894, 0.2218, 0.3186

Inverse Universe

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



10.7364, 0.3308, 0.1843



16.6754, 0.3348, 0.1689



16.9595, 0.4611, 0.4202



6.3167, 0.3147, 0.3085



7.2394, 0.3375, 0.1633



0.1100, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 23.4156, 0.2304, 0.3152 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 23.4156, 0.2304, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

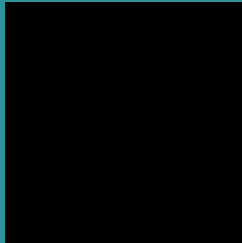
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4156, 0.2304, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 23.4156, 0.2304, 0.3152.

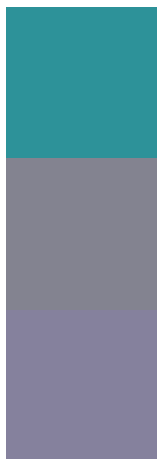


This preview shows how white text looks on a background with the Yxy color 23.4156, 0.2304, 0.3152.

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

23.4156, 0.2304, 0.3152

Protanopia

23.0715, 0.2992, 0.3067

Deuteranopia

23.1214, 0.2885, 0.2825



Tritanopia

23.3135, 0.2287, 0.3059

Trichromacy



Original Color

23.4156, 0.2304, 0.3152

Protanomaly

22.4242, 0.2660, 0.3086

Deuteranomaly

22.4949, 0.2593, 0.2911

Tritanomaly

23.2554, 0.2289, 0.3077

Monochromacy



Original Color

23.4156, 0.2304, 0.3152

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2742, 0.2707, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4156, 0.2304, 0.3152 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(45, 146, 153)` looks like.

```
.text, #text, p{  
    color:rgb(45, 146, 153)  
}
```

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(45, 146, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 146, 153) }
```

Border

The CSS property to change the border of an element to Yxy 23.4156, 0.2304, 0.3152 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(45, 146, 153) }
```

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

```
.border{ border-color:rgb(45, 146, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 146, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 146, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 146, 153);  
box-shadow:4px 4px 4px 4px rgb(45, 146,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4156, 0.2304, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 146, 153) }
```

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

```
.background{ background-color: rgb(45, 146,  
153) }
```

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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