

Converting Colors

$Yxy(23.6928, 0.2329, 0.3169)$

Have a look what the booklet for
Yxy(23.6928, 0.2329, 0.3169)
contains.

Yxy(23.8455, 0.2328, 0.3173)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8455, 0.2328, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	329399
RGB	50, 147, 153
RGB Percent	20%, 58%, 60%
CMY	0.8042, 0.4235, 0.4001
CMYK	0.67, 0.04, 0.00, 0.40
HSL	183°, 51%, 40%
HSV	183°, 67%, 60%
XYZ	17.4952, 23.8455, 33.8106
YIQ	118.6810, -59.7380, -18.6980

Conversions

Conversions Part 2

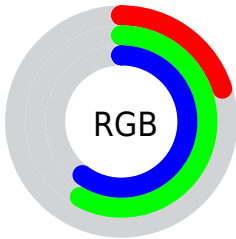
Format	Color
R_{YB}	50, 100, 153
Decimal	3314585
CIE _{Lab}	55.93, -25.63, -11.41
CIE _{LCh}	56, 28.058, 203.999
Yxy	23.8455, 0.2328, 0.3173
Android (android.graphics.Color)	4281504665 (0xFF329399)
YUV	118.6810, 16.9193, -60.2332
Hunter-Lab	48.8319, -21.5037, -6.8693

Details

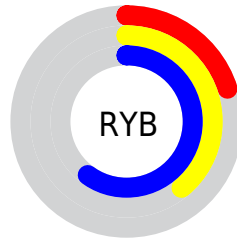
The Yxy color **23.8455, 0.2328, 0.3173** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8201, 0.5205, 0.3381**, and the grayscale version is **18.2963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5933, 0.2493, 0.3205**, and **9.3251, 0.2199, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **23.2461, 0.2269, 0.3154**, and if you desaturate by 10%, it is **24.5787, 0.2405, 0.3192**.

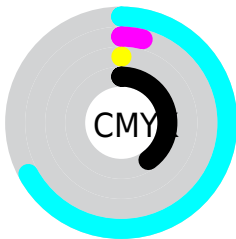
Distribution



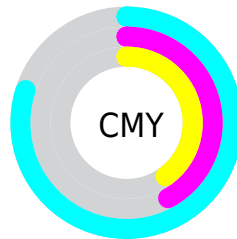
- Red (20%)
- Green (58%)
- Blue (60%)



- Red (20%)
- Yellow (39%)
- Blue (60%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8455, 0.2328, 0.3173 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 23.8455, 0.2328, 0.3173 by changing the saturation by 10% instead.

■ 23.8455, 0.2328,
0.3173

■ 23.8455, 0.2328,
0.3173

■ 272.0384, 0.2761,
0.3249

■ 15.2191, 0.2209,
0.3146

■ 49.7780, 0.2493,
0.3206

■ 8.9733, 0.2049,
0.3105

■ 67.8528, 0.2553,
0.3217

■ 4.7237, 0.1825,
0.3039

■ 89.8458, 0.2602,
0.3225

■ 2.0861, 0.1494,
0.2917

■ 116.1415, 0.2644,
0.3232

■ 0.6568, 0.0000,
0.2880

■ 147.1242, 0.2680,
0.3238

■ 0.0000, 0.0000,
0.0000

183.1783, 0.2710,

0.3242

224.6883, 0.2737,
0.3246

■ 23.8455, 0.2328,
0.3173

■ 23.8455, 0.2328,
0.3173

■ 23.2461, 0.2269,
0.3154

■ 24.5787, 0.2405,
0.3192

■ 22.7643, 0.2229,
0.3135

■ 25.4547, 0.2500,
0.3211

■ 22.3779, 0.2203,
0.3116

■ 26.4848, 0.2611,
0.3230

■ 22.2807, 0.2198,
0.3111

■ 27.6785, 0.2735,
0.3247

■ 29.0443, 0.2872,
0.3264

■ 30.5903, 0.3017,
0.3279

■ 32.3241, 0.3167,
0.3294

■ 34.2528, 0.3321,
0.3307

■ 36.3831, 0.3476,
0.3318

Harmonies

Analogous

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



23.8455, 0.2624, 0.3663



23.8455, 0.2328, 0.3173



23.8455, 0.2235, 0.2770

Triad

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



23.8455, 0.2328, 0.3173



23.8455, 0.3126, 0.2661



23.8455, 0.3935, 0.4025

Complementary

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



23.8455, 0.2328, 0.3173



9.8201, 0.5205, 0.3381

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.



23.8455, 0.4106, 0.3698



23.8455, 0.2328, 0.3173



23.8455, 0.3622, 0.2942

Square

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



23.8455, 0.2328, 0.3173



23.8455, 0.2667, 0.2517



23.8455, 0.3992, 0.3310



23.8455, 0.3549, 0.4179

Rectangle

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



23.8455, 0.2328, 0.3173



23.8455, 0.2291, 0.2600



23.8455, 0.3992, 0.3310



23.8455, 0.4021, 0.3929

Sweetspot

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



23.8464, 0.2328, 0.3173



51.2502, 0.2829, 0.3259



23.7306, 0.3001, 0.5318



11.1767, 0.2794, 0.3255



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.



23.8464, 0.2328, 0.3173



41.1631, 0.2246, 0.3144



11.3977, 0.2072, 0.2095



6.9652, 0.2989, 0.3277



18.4355, 0.2198, 0.3112



0.2916, 0.2221, 0.3197

Inverse Universe

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



11.1533, 0.3288, 0.1877



17.1998, 0.3323, 0.1708



17.4352, 0.4534, 0.4177



6.3175, 0.3146, 0.3083



7.2664, 0.3357, 0.1623



0.1102, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 23.8455, 0.2328, 0.3173 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 23.8455, 0.2328, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

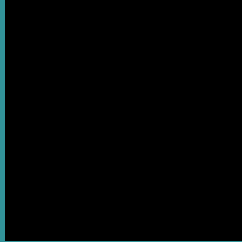
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8455, 0.2328, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 23.8455, 0.2328, 0.3173.

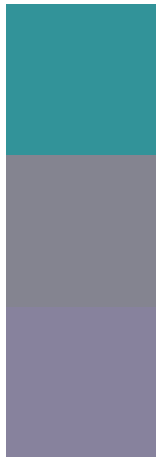


This preview shows how white text looks on a background with the Yxy color 23.8455, 0.2328, 0.3173.

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

23.8455, 0.2328, 0.3173

Protanopia

23.4217, 0.3003, 0.3085

Deuteranopia

23.5505, 0.2906, 0.2845



Tritanopia

23.7833, 0.2306, 0.3061

Trichromacy



Original Color

23.8455, 0.2328, 0.3173

Protanomaly

22.8227, 0.2680, 0.3106

Deuteranomaly

22.9517, 0.2621, 0.2932

Tritanomaly

23.6881, 0.2314, 0.3097

Monochromacy



Original Color

23.8455, 0.2328, 0.3173

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.7189, 0.2729, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8455, 0.2328, 0.3173 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(50, 147, 153)` looks like.

```
.text, #text, p{  
    color:rgb(50, 147, 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(50, 147, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 147, 153) }
```

Border

The CSS property to change the border of an element to Yxy 23.8455, 0.2328, 0.3173 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(50, 147, 153) }
```

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

```
.border{ border-color:rgb(50, 147, 153) }
```

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

Here you see how a box with a 4 pixel rgb(50, 147, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 147, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 147, 153);  
box-shadow:4px 4px 4px 4px rgb(50, 147,  
153) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8455, 0.2328, 0.3173$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 147, 153) }
```

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

```
.background{ background-color: rgb(50, 147,  
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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