

Converting Colors

$Yxy(23.1534, 0.2631, 0.3616)$

Have a look what the booklet for
Yxy(23.1534, 0.2631, 0.3616)
contains.

Yxy(23.3052, 0.2634, 0.3627)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.3052, 0.2634, 0.3627)$

Conversions

Conversions Part 1

Format	Color
Hex	4B9180
RGB	75, 145, 128
RGB Percent	29%, 57%, 50%
CMY	0.7057, 0.4314, 0.4981
CMYK	0.48, 0.00, 0.12, 0.43
HSL	165°, 32%, 43%
HSV	165°, 48%, 57%
XYZ	16.9247, 23.3052, 24.0249
YIQ	122.1320, -36.2630, -20.1270

Conversions

Conversions Part 2

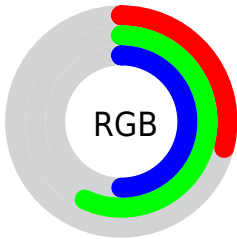
Format	Color
R_{YB}	75, 115, 145
Decimal	4952448
CIE _{Lab}	55.39, -26.40, 2.22
CIE _{LCh}	55, 26.492, 175.186
Yxy	23.3052, 0.2634, 0.3627
Android (android.graphics.Color)	4283142528 (0xFF4B9180)
YUV	122.1320, 2.8929, -41.3348
Hunter-Lab	48.2755, -21.9024, 4.2865

Details

The Yxy color **23.3052, 0.2634, 0.3627** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8300, 0.4080, 0.2993**, and the grayscale version is **19.5096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7722, 0.2738, 0.3545**, and **8.6891, 0.2443, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **22.6950, 0.2565, 0.3711**, and if you desaturate by 10%, it is **24.0537, 0.2718, 0.3547**.

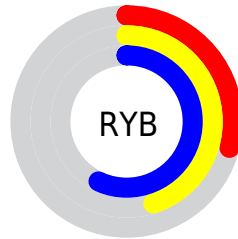
Distribution



Red (29%)

Green (57%)

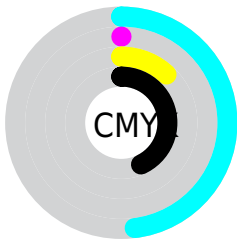
Blue (50%)



Red (29%)

Yellow (45%)

Blue (57%)

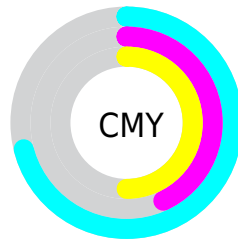


Cyan (48%)

Magenta (0%)

Yellow (12%)

Black (43%)



Cyan (71%)

Magenta (43%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3052, 0.2634, 0.3627 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 23.3052, 0.2634, 0.3627 by changing the saturation by 10% instead.

■ 23.3052, 0.2634,
0.3627

■ 23.3052, 0.2634,
0.3627

■ 269.2887, 0.2909,
0.3437

■ 14.8190, 0.2554,
0.3683

■ 48.8940, 0.2742,
0.3552

■ 8.6925, 0.2443,
0.3762

■ 66.7654, 0.2780,
0.3526

■ 4.5411, 0.2280,
0.3879

■ 88.5340, 0.2811,
0.3504

■ 1.9806, 0.2018,
0.4072

■ 114.5842, 0.2837,
0.3486

■ 0.5962, 0.0000,
0.5470

■ 145.3003, 0.2859,
0.3471

■ 0.0000, 0.0000,
0.0000

181.0669, 0.2878,

0.3458

222.2682, 0.2895,
0.3447

■ 23.3052, 0.2634,
0.3627

■ 23.3052, 0.2634,
0.3627

■ 22.6950, 0.2565,
0.3711

■ 24.0537, 0.2718,
0.3547

■ 22.2113, 0.2513,
0.3797

■ 24.9461, 0.2814,
0.3472

■ 21.8444, 0.2480,
0.3885


■ 25.9911, 0.2919,
0.3402


■ 21.5825, 0.2465,
0.3973

■ 27.1957, 0.3031,
0.3338

■ 21.4007, 0.2465,
0.4061


■ 28.5666, 0.3148,
0.3280

 21.3709, 0.2466,
0.4077

 30.1100, 0.3266,
0.3228

 31.8320, 0.3385,
0.3181

 33.7382, 0.3503,
0.3140

 35.8340, 0.3618,
0.3104

Harmonies

Analogous

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



23.3052, 0.3054, 0.4004



23.3052, 0.2634, 0.3627



23.3052, 0.2357, 0.3163

Triad

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



23.3052, 0.2634, 0.3627



23.3052, 0.2704, 0.2554



23.3052, 0.4057, 0.3697

Complementary

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



23.3052, 0.2634, 0.3627



11.8300, 0.4080, 0.2993

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.



23.3052, 0.3959, 0.3326



23.3052, 0.2634, 0.3627



23.3052, 0.3146, 0.2697

Square

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



23.3052, 0.2634, 0.3627



23.3052, 0.2397, 0.2577



23.3052, 0.3615, 0.2971



23.3052, 0.3887, 0.4002

Rectangle

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



23.3052, 0.2634, 0.3627



23.3052, 0.2280, 0.2894



23.3052, 0.3615, 0.2971



23.3052, 0.4056, 0.3576

Sweetspot

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



23.3061, 0.2634, 0.3627



47.3661, 0.2963, 0.3376



23.0616, 0.3224, 0.4687



10.4465, 0.2941, 0.3389



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3061, 0.2634, 0.3627



40.5514, 0.2559, 0.3719



18.8519, 0.2444, 0.2940



6.0942, 0.3021, 0.3344



18.3350, 0.2464, 0.4071



0.1788, 0.2350, 0.3661

Inverse Universe

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



11.8300, 0.4080, 0.2993



17.4469, 0.4435, 0.2940



14.2739, 0.4245, 0.3602



5.4443, 0.3246, 0.3237



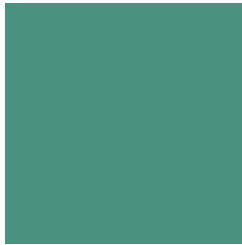
5.2723, 0.5891, 0.3019



0.0534, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 23.3052, 0.2634, 0.3627 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 23.3052, 0.2634, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

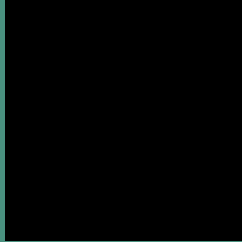
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3052, 0.2634, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 23.3052, 0.2634, 0.3627.

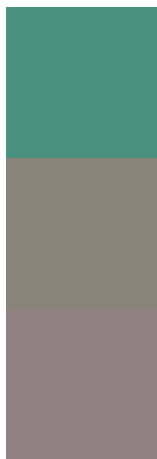


This preview shows how white text looks on a background with the Yxy color 23.3052, 0.2634, 0.3627.

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

23.3052, 0.2634, 0.3627

Protanopia

22.9314, 0.3307, 0.3465

Deuteranopia

23.1240, 0.3284, 0.3223



Tritanopia

23.1435, 0.2484, 0.3065

Trichromacy



Original Color

23.3052, 0.2634, 0.3627

Protanomaly

22.6410, 0.3008, 0.3513

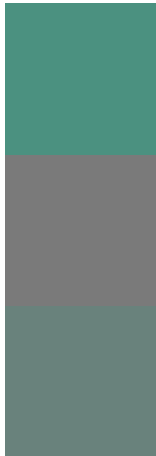
Deuteranomaly

22.6820, 0.3003, 0.3344

Tritanomaly

23.0219, 0.2531, 0.3250

Monochromacy



Original Color

23.3052, 0.2634, 0.3627

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4238, 0.2910, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3052, 0.2634, 0.3627 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(75, 145, 128)` looks like.

```
.text, #text, p{  
  color:rgb(75, 145, 128)  
}
```

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(75, 145, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 145, 128) }
```

Border

The CSS property to change the border of an element to Yxy 23.3052, 0.2634, 0.3627 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(75, 145, 128) }
```

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

```
.border{ border-color:rgb(75, 145, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 145, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 145, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 145, 128);  
box-shadow:4px 4px 4px 4px rgb(75, 145,  
128) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.3052, 0.2634, 0.3627$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 145, 128) }
```

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

```
.background{ background-color: rgb(75, 145,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor