

Converting Colors

$Y_{xy}(23.3707, 0.3129, 0.3292)$

Have a look what the booklet for
Yxy(23.3707, 0.3129, 0.3292)
contains.

Yxy(23.4551, 0.3127, 0.3290)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(23.4551, 0.3127, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	858585
RGB	133, 133, 133
RGB Percent	52%, 52%, 52%
CMY	0.4785, 0.4784, 0.4784
CMYK	0.00, 0.00, 0.00, 0.48
HSL	174°, 0%, 52%
HSV	174°, 0%, 52%
XYZ	22.2930, 23.4551, 25.5440
YIQ	133.0000, 0.0000, 0.0000

Conversions

Conversions Part 2

Format	Color
R _{YB}	133, 133, 133
Decimal	8750469
CIE Lab	55.54, -0.00, -0.01
CIE LCh	56, 0.009, 259.964
Yxy	23.4551, 0.3127, 0.3290
Android (android.graphics.Color)	4286940549 (0xFF858585)
YUV	133.0000, 0.0000, 0.0000
Hunter-Lab	48.4305, -2.5879, 2.6297

Details

The Yxy color $23.4551, 0.3127, 0.3290$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $23.4527, 0.3127, 0.3290$, and the grayscale version is $23.4556, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.1021, 0.3127, 0.3290$, and $8.8656, 0.3127, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $22.4060, 0.2992, 0.3313$, and if you desaturate by 10%, it is $24.6438, 0.3266, 0.3269$.

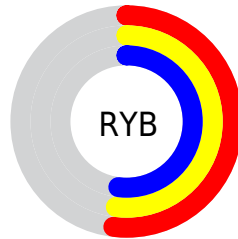
Distribution



Red (52%)

Green (52%)

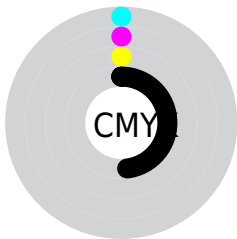
Blue (52%)



Red (52%)

Yellow (52%)

Blue (52%)

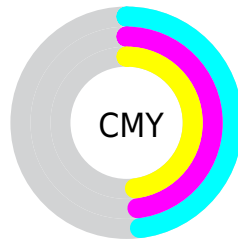


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (48%)



Cyan (48%)


Magenta (48%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4551, 0.3127, 0.3290 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 23.4551, 0.3127, 0.3290 by changing the saturation by 10% instead.


 23.4551, 0.3127,
0.3290


 23.4551, 0.3127,
0.3290


270.0539, 0.3127,
0.3290


 14.9299, 0.3127,
0.3290


 49.1395, 0.3127,
0.3290

 8.7702, 0.3127,
0.3290


 67.0676, 0.3127,
0.3290

 4.5916, 0.3127,
0.3290

 88.8986, 0.3127,
0.3290

 2.0097, 0.3127,
0.3290

115.0172, 0.3127,
0.3290

 0.6131, 0.3126,
0.3289

145.8076, 0.3127,
0.3290

 0.0000, 0.0000,
0.0000

181.6543, 0.3127,

0.3290

222.9416, 0.3127,
0.3290

■ 23.4551, 0.3127,
0.3290

■ 23.4551, 0.3127,
0.3290

■ 22.4060, 0.2992,
0.3313

■ 24.6438, 0.3266,
0.3269

■ 21.4883, 0.2864,
0.3338

■ 25.9738, 0.3406,
0.3251

■ 20.6975, 0.2745,
0.3365

■ 27.4508, 0.3547,
0.3234

■ 20.0280, 0.2638,
0.3394

■ 29.0792, 0.3685,
0.3220

■ 19.4734, 0.2544,
0.3424

■ 30.8631, 0.3820,
0.3207

■ 19.0270, 0.2467,
0.3455

■ 32.8066, 0.3951,
0.3196

■ 18.6812, 0.2407,
0.3487

■ 34.9137, 0.4077,
0.3187

■ 18.4274, 0.2365,
0.3519

■ 37.1881, 0.4197,
0.3179

■ 18.2559, 0.2341,
0.3551

■ 39.6333, 0.4312,
0.3173

Harmonies

Triad

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



23.4551, 0.3127, 0.3290



23.4551, 0.3128, 0.3290



23.4551, 0.3127, 0.3290

Complementary

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



23.4551, 0.3127, 0.3290



23.4527, 0.3127, 0.3290

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.



23.4551, 0.3127, 0.3290



23.4551, 0.3127, 0.3290



23.4551, 0.3128, 0.3290

Square

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



23.4551, 0.3127, 0.3290



23.4551, 0.3127, 0.3290



23.4551, 0.3128, 0.3290



23.4551, 0.3127, 0.3290

Rectangle

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



23.4551, 0.3127, 0.3290



23.4551, 0.3127, 0.3290



23.4551, 0.3128, 0.3290



23.4551, 0.3127, 0.3290

Sweetspot

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



23.4561, 0.3127, 0.3290



42.0033, 0.3127, 0.3290



23.4558, 0.3127, 0.3290



9.4630, 0.3127, 0.3290



67.3860, 0.3127, 0.3290

Same Dimension

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



23.4561, 0.3127, 0.3290



42.0033, 0.3127, 0.3290



23.4544, 0.3127, 0.3290



5.4972, 0.3127, 0.3290



17.2745, 0.2328, 0.3582



0.0604, 0.2285, 0.3424

Inverse Universe

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



23.4527, 0.3127, 0.3290



42.0033, 0.3127, 0.3290



23.4544, 0.3127, 0.3290



5.4972, 0.3127, 0.3290



4.7777, 0.6247, 0.3215



0.0170, 0.5652, 0.2887

Previews

White Background



This preview shows how the Yxy color 23.4551, 0.3127, 0.3290 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 23.4551, 0.3127, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

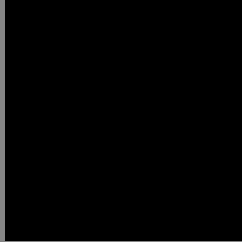
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

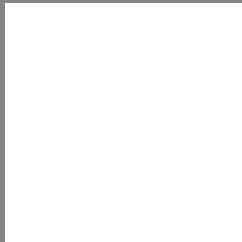
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4551, 0.3127, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 23.4551, 0.3127, 0.3290.



This preview shows how white text looks on a background with the Yxy color 23.4551, 0.3127, 0.3290.

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

23.4551, 0.3127, 0.3290

Protanopia

23.3469, 0.3151, 0.3273

Deuteranopia

23.4415, 0.3260, 0.3207



Tritanopia

23.5239, 0.3045, 0.3119

Trichromacy



Original Color

23.4551, 0.3127, 0.3290

Protanomaly

23.2643, 0.3139, 0.3273

Deuteranomaly

23.3492, 0.3212, 0.3223

Tritanomaly

23.4349, 0.3076, 0.3170

Monochromacy



Original Color

23.4551, 0.3127, 0.3290

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4551, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4551, 0.3127, 0.3290 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(133, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 133)  
}
```

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(133, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 133) }
```

Border

The CSS property to change the border of an element to Yxy 23.4551, 0.3127, 0.3290 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(133, 133, 133) }
```

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

```
.border{ border-color:rgb(133, 133, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
133) }
```

Background

The CSS property to change the background color of an element to Yxy 23.4551, 0.3127, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 133) }
```

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

```
.background{ background-color: rgb(133,  
133, 133) }
```

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