

Converting Colors

$Yxy(13.8212, 0.2343, 0.3053)$

Have a look what the booklet for
Yxy(13.8212, 0.2343, 0.3053)
contains.

Yxy(13.8212, 0.2343, 0.3053)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8212, 0.2343, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	2E717B
RGB	46, 113, 123
RGB Percent	18%, 44%, 48%
CMY	0.8195, 0.5569, 0.5177
CMYK	0.63, 0.08, 0.00, 0.52
HSL	188°, 46%, 33%
HSV	188°, 63%, 48%
XYZ	10.6070, 13.8212, 20.8427
YIQ	94.1070, -43.1420, -11.0940

Conversions

Conversions Part 2

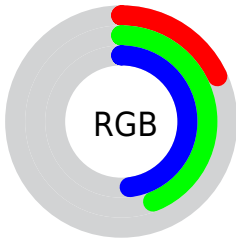
Format	Color
R_{YB}	46, 82, 123
Decimal	3043707
CIE _{Lab}	43.98, -17.79, -11.86
CIE _{LCh}	44, 21.380, 213.687
Yxy	13.8212, 0.2343, 0.3053
Android (android.graphics.Color)	4281233787 (0xFF2E717B)
YUV	94.1070, 14.2442, -42.1898
Hunter-Lab	37.1769, -14.1315, -7.2163




Details

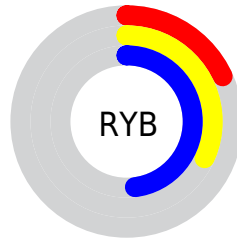
The Yxy color **13.8212, 0.2343, 0.3053** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.2366, 0.4852, 0.3485**, and the grayscale version is **11.1949, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.7721, 0.2534, 0.3127**, and **4.2750, 0.2150, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **13.2228, 0.2265, 0.3009**, and if you desaturate by 10%, it is **14.5087, 0.2437, 0.3096**.

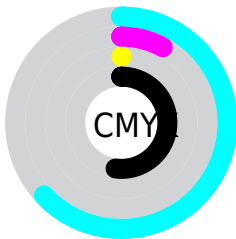
Distribution







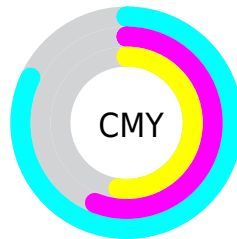
-  Red (18%)
-  Green (44%)
-  Blue (48%)






-  Red (18%)
-  Yellow (32%)
-  Blue (48%)



-  Cyan (63%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (52%)





-  Cyan (82%)
-  Magenta (56%)
-  Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8212, 0.2343, 0.3053 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 13.8212, 0.2343, 0.3053 by changing the saturation by 10% instead.


 13.8212, 0.2343,
0.3053


 13.8212, 0.2343,
0.3053


 216.1157, 0.2802,
0.3205


 7.9964, 0.2199,
0.2997


 32.7714, 0.2529,
0.3120


 4.0927, 0.1993,
0.2908

 46.6657, 0.2593,
0.3141


 1.7255, 0.1678,
0.2753

 64.0185, 0.2645,
0.3158

 0.4401, 0.0000,
0.2457

 85.2144, 0.2687,
0.3171

 0.0000, 0.0000,
0.0000

 110.6376, 0.2723,
0.3182

 140.6726, 0.2753,

0.3191

175.7039, 0.2779,
0.3199

■ 13.8212, 0.2343,
0.3053

■ 13.8212, 0.2343,
0.3053

■ 13.2228, 0.2265,
0.3009

■ 14.5087, 0.2437,
0.3096

■ 12.7048, 0.2205,
0.2966

■ 15.2903, 0.2547,
0.3137

■ 12.2591, 0.2163,
0.2922

■ 16.1721, 0.2670,
0.3177

■ 11.9515, 0.2136,
0.2889

■ 17.1595, 0.2803,
0.3215

■ 18.2574, 0.2943,
0.3250

■ 19.4703, 0.3089,
0.3282

■ 20.8025, 0.3237,
0.3312

■ 22.2582, 0.3386,
0.3338

■ 23.8411, 0.3534,
0.3362

Harmonies

Analogous

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



13.8212, 0.2560, 0.3488



13.8212, 0.2343, 0.3053



13.8212, 0.2320, 0.2730

Triad

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



13.8212, 0.2343, 0.3053



13.8212, 0.3277, 0.2782



13.8212, 0.3772, 0.4033

Complementary

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



13.8212, 0.2343, 0.3053



7.2366, 0.4852, 0.3485

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.



13.8212, 0.3999, 0.3777



13.8212, 0.2343, 0.3053



13.8212, 0.3708, 0.3075

Square

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



13.8212, 0.2343, 0.3053



13.8212, 0.2831, 0.2604



13.8212, 0.3980, 0.3429



13.8212, 0.3379, 0.4092

Rectangle

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



13.8212, 0.2343, 0.3053



13.8212, 0.2413, 0.2609



13.8212, 0.3980, 0.3429



13.8212, 0.3871, 0.3964

Sweetspot

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



13.8217, 0.2343, 0.3053



31.3259, 0.2846, 0.3226



15.0197, 0.2970, 0.5013



7.2702, 0.2812, 0.3217



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.8217, 0.2343, 0.3053



23.2718, 0.2238, 0.2991



7.1150, 0.2128, 0.2087



4.4280, 0.2994, 0.3262



12.3612, 0.2136, 0.2889



58.0853, 0.2130, 0.2866

Inverse Universe

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



7.3581, 0.3379, 0.2050



11.1142, 0.3447, 0.1869



12.3213, 0.4315, 0.4214



4.0690, 0.3155, 0.3106



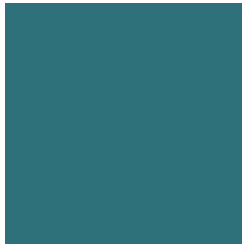
5.4547, 0.3553, 0.1731



25.9309, 0.3574, 0.1742

Previews

White Background



This preview shows how the Yxy color 13.8212, 0.2343, 0.3053 looks on a white background.

Color Contrast Check

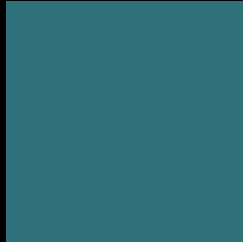
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.8212, 0.2343, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

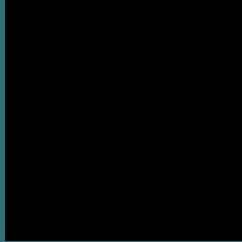
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8212, 0.2343, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 13.8212, 0.2343, 0.3053.

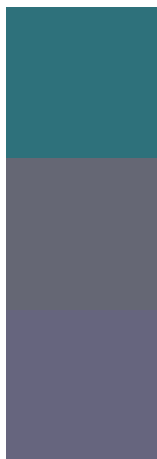


This preview shows how white text looks on a background with the Yxy color 13.8212, 0.2343, 0.3053.

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

13.8212, 0.2343, 0.3053

Protanopia

13.7282, 0.2934, 0.3013

Deuteranopia

13.6385, 0.2826, 0.2773



Tritanopia

13.7962, 0.2351, 0.3075

Trichromacy



Original Color

13.8212, 0.2343, 0.3053

Protanomaly

13.5966, 0.2661, 0.3020

Deuteranomaly

13.3777, 0.2606, 0.2849

Tritanomaly

13.7962, 0.2351, 0.3075

Monochromacy



Original Color

13.8212, 0.2343, 0.3053

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.9051, 0.2752, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8212, 0.2343, 0.3053 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(46, 113, 123)` looks like.

```
.text, #text, p{  
  color:rgb(46, 113, 123)  
}
```

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(46, 113, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 113, 123) }
```

Border

The CSS property to change the border of an element to Yxy 13.8212, 0.2343, 0.3053 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(46, 113, 123) }
```

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

```
.border{ border-color:rgb(46, 113, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 113, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 113, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 113, 123);  
box-shadow:4px 4px 4px 4px rgb(46, 113,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8212, 0.2343, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 113, 123) }
```

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

```
.background{ background-color: rgb(46, 113,  
123) }
```

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