

Converting Colors

$Y_{xy}(14.8276, 0.2923, 0.3715)$

Have a look what the booklet for
Yxy(14.8276, 0.2923, 0.3715)
contains.

Yxy(14.8553, 0.2923, 0.3731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.8553, 0.2923, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	517360
RGB	81, 115, 96
RGB Percent	32%, 45%, 38%
CMY	0.6822, 0.5490, 0.6235
CMYK	0.30, 0.00, 0.17, 0.55
HSL	146°, 17%, 38%
HSV	146°, 30%, 45%
XYZ	11.6382, 14.8553, 13.3224
YIQ	102.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

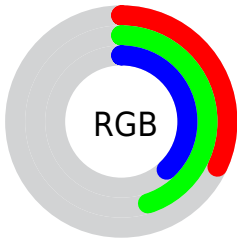
Format	Color
R_{YB}	81, 105, 115
Decimal	5337952
CIE _{Lab}	45.44, -16.52, 6.63
CIE _{LCh}	45, 17.804, 158.125
Yxy	14.8553, 0.2923, 0.3731
Android (android.graphics.Color)	4283528032 (0xFF517360)
YUV	102.6680, -3.2873, -19.0028
Hunter-Lab	38.5426, -13.5503, 6.4860

Details

The Yxy color **14.8553, 0.2923, 0.3731** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4558, 0.3402, 0.2888**, and the grayscale version is **13.4855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5693, 0.2969, 0.3609**, and **4.5847, 0.2805, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **14.2762, 0.2862, 0.3910**, and if you desaturate by 10%, it is **15.5314, 0.2989, 0.3567**.

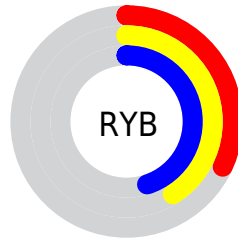
Distribution



Red (32%)

Green (45%)

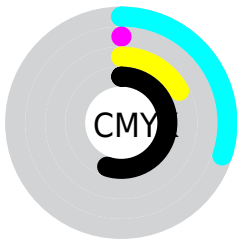
Blue (38%)



Red (32%)

Yellow (41%)

Blue (45%)

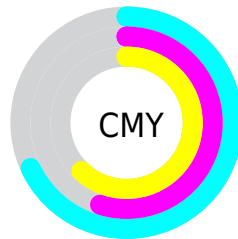


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (55%)



Cyan (68%)

Magenta (55%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8553, 0.2923, 0.3731 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 14.8553, 0.2923, 0.3731 by changing the saturation by 10% instead.

■ 14.8553, 0.2923,
0.3731

■ 14.8553, 0.2923,
0.3731

■ 222.4887, 0.3047,
0.3463

■ 8.7179, 0.2880,
0.3823

■ 34.5991, 0.2976,
0.3618

■ 4.5576, 0.2815,
0.3963

■ 48.9744, 0.2993,
0.3580

■ 1.9901, 0.2704,
0.4203

■ 66.8643, 0.3007,
0.3551

■ 0.6017, 0.1753,
0.6257

■ 88.6534, 0.3018,
0.3527

■ 0.0000, 0.0000,
0.0000

■ 114.7259, 0.3027,
0.3506

145.4664, 0.3035,

0.3490

181.2592, 0.3042,
0.3475

■ 14.8553, 0.2923,
0.3731

■ 14.8553, 0.2923,
0.3731

■ 14.2762, 0.2862,
0.3910

■ 15.5314, 0.2989,
0.3567

■ 13.7878, 0.2810,
0.4102

■ 16.3068, 0.3059,
0.3418

■ 13.3855, 0.2769,
0.4305

■ 17.1862, 0.3131,
0.3284

■ 13.0641, 0.2743,
0.4513

■ 18.1734, 0.3202,
0.3165

■ 12.8173, 0.2732,
0.4721

■ 19.2720, 0.3272,
0.3060

■ 12.6383, 0.2740,
0.4924

■ 20.4853, 0.3339,
0.2967

■ 12.5027, 0.2757,
0.5118

■ 21.8165, 0.3404,
0.2885

■ 12.4965, 0.2758,
0.5127

■ 23.2690, 0.3467,
0.2813

■ 24.8456, 0.3526,
0.2751

Harmonies

Analogous

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



14.8553, 0.3284, 0.3924



14.8553, 0.2923, 0.3731



14.8553, 0.2628, 0.3400

Triad

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



14.8553, 0.2923, 0.3731



14.8553, 0.2639, 0.2699



14.8553, 0.3834, 0.3456

Complementary

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



14.8553, 0.2923, 0.3731



10.4558, 0.3402, 0.2888

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.



14.8553, 0.3642, 0.3158



14.8553, 0.2923, 0.3731



14.8553, 0.2939, 0.2737

Square

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



14.8553, 0.2923, 0.3731



14.8553, 0.2472, 0.2807



14.8553, 0.3307, 0.2902



14.8553, 0.3822, 0.3734

Rectangle

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



14.8553, 0.2923, 0.3731



14.8553, 0.2504, 0.3165



14.8553, 0.3307, 0.2902



14.8553, 0.3791, 0.3356

Sweetspot

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



14.8559, 0.2923, 0.3731



29.2468, 0.3061, 0.3414



15.5802, 0.3343, 0.4036



6.9353, 0.3053, 0.3431



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.8559, 0.2923, 0.3731



25.9224, 0.2883, 0.3844



15.1974, 0.2745, 0.3339



4.1225, 0.3063, 0.3411



14.2835, 0.2761, 0.5139



69.4387, 0.2787, 0.5234

Inverse Universe

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



10.4558, 0.3402, 0.2888



16.7618, 0.3481, 0.2798



10.1645, 0.3696, 0.3242



3.7319, 0.3197, 0.3172



4.5895, 0.4646, 0.2333



22.1908, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 14.8553, 0.2923, 0.3731 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 14.8553, 0.2923, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

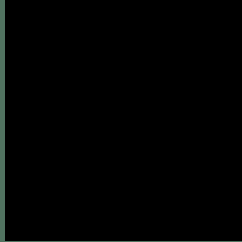
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8553, 0.2923, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 14.8553, 0.2923, 0.3731.



This preview shows how white text looks on a background with the Yxy color 14.8553, 0.2923, 0.3731.

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

14.8553, 0.2923, 0.3731

Protanopia

14.7988, 0.3411, 0.3606

Deuteranopia

14.6473, 0.3460, 0.3392



Tritanopia

14.9473, 0.2708, 0.3094

Trichromacy



Original Color

14.8553, 0.2923, 0.3731

Protanomaly

14.7089, 0.3218, 0.3664

Deuteranomaly

14.4426, 0.3243, 0.3506

Tritanomaly

14.8649, 0.2781, 0.3311

Monochromacy



Original Color

14.8553, 0.2923, 0.3731

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.8684, 0.3052, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8553, 0.2923, 0.3731 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(81, 115, 96)` looks like.

```
.text, #text, p{  
    color:rgb(81, 115, 96)  
}
```

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(81, 115, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 115, 96) }
```

Border

The CSS property to change the border of an element to Yxy 14.8553, 0.2923, 0.3731 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(81, 115, 96) }
```

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

```
.border{ border-color:rgb(81, 115, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 115, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 115, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 115, 96);  
box-shadow:4px 4px 4px 4px rgb(81, 115,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8553, 0.2923, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 115, 96) }
```

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

```
.background{ background-color: rgb(81, 115,  
96) }
```

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