

Converting Colors

$Y_{xy}(14.7285, 0.5049, 0.3365)$

Have a look what the booklet for
Yxy(14.7285, 0.5049, 0.3365)
contains.

Yxy(14.7433, 0.5048, 0.3360)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.7433, 0.5048, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	B44843
RGB	180, 72, 67
RGB Percent	71%, 28%, 26%
CMY	0.2942, 0.7176, 0.7373
CMYK	0.00, 0.60, 0.63, 0.29
HSL	3°, 46%, 48%
HSV	3°, 63%, 71%
XYZ	22.1501, 14.7433, 6.9855
YIQ	103.7220, 65.9730, 21.3410

Conversions

Conversions Part 2

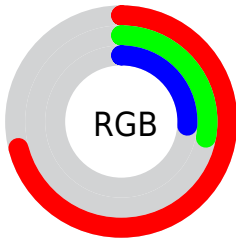
Format	Color
R_{YB}	180, 72, 67
Decimal	11814979
CIE _{Lab}	45.28, 43.55, 25.59
CIE _{LCh}	45, 50.513, 30.439
Yxy	14.7433, 0.5048, 0.3360
Android (android.graphics.Color)	4290005059 (0xFFB44843)
YUV	103.7220, -18.1039, 66.8958
Hunter-Lab	38.3970, 35.7764, 16.0914

Details

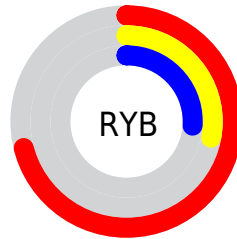
The Yxy color **14.7433, 0.5048, 0.3360** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **35.1263, 0.2361, 0.3205**, and the grayscale version is **13.8028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4303, 0.4581, 0.3402**, and **4.5015, 0.5867, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **12.6390, 0.5511, 0.3360**, and if you desaturate by 10%, it is **17.5381, 0.4599, 0.3354**.

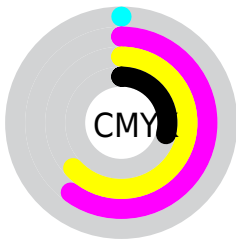
Distribution



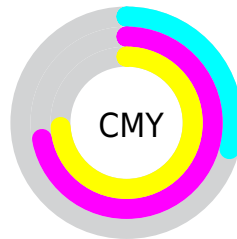
- Red (71%)
- Green (28%)
- Blue (26%)



- Red (71%)
- Yellow (28%)
- Blue (26%)



- Cyan (0%)
- Magenta (60%)
- Yellow (63%)
- Black (29%)




- Cyan (29%)
- Magenta (72%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7433, 0.5048, 0.3360 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 14.7433, 0.5048, 0.3360 by changing the saturation by 10% instead.


 14.7433, 0.5048,
0.3360


 14.7433, 0.5048,
0.3360


221.8072, 0.3908,
0.3387


 8.6394, 0.5397,
0.3310


 34.4022, 0.4586,
0.3395


 4.5068, 0.5877,
0.3206

 48.7261, 0.4427,
0.3399


 1.9609, 0.6819,
0.3098

 66.5587, 0.4299,
0.3400

 0.5846, 0.7630,
0.2370

 88.2844, 0.4193,
0.3399

 0.0000, 1.0000,
0.0000

 114.2878, 0.4104,
0.3396

 0.0000, 0.0000,
0.0000

144.9531, 0.4029,

0.3393

180.6648, 0.3964,
0.3390

■ 14.7433, 0.5048,
0.3360

■ 14.7433, 0.5048,
0.3360

■ 12.6390, 0.5511,
0.3360

■ 17.5381, 0.4599,
0.3354

■ 11.1631, 0.5927,
0.3350

■ 21.0739, 0.4198,
0.3343

■ 10.2464, 0.6229,
0.3333

■ 25.3990, 0.3859,
0.3331

■ 9.8758, 0.6367,
0.3326

■ 30.5573, 0.3580,
0.3318

■ 36.5891, 0.3354,
0.3305

■ 43.5323, 0.3171,
0.3293

■ 51.4225, 0.3024,
0.3282

■ 60.2935, 0.2905,
0.3273

■ 70.1773, 0.2808,
0.3264

Harmonies

Analogous

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



14.7433, 0.4362, 0.2715



14.7433, 0.5048, 0.3360



14.7433, 0.5058, 0.4061

Triad

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



14.7433, 0.5048, 0.3360



14.7433, 0.2704, 0.4910



14.7433, 0.1745, 0.1828

Complementary

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



14.7433, 0.5048, 0.3360



35.1263, 0.2361, 0.3205

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.



14.7433, 0.1472, 0.2085



14.7433, 0.5048, 0.3360



14.7433, 0.1931, 0.3841

Square

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



14.7433, 0.5048, 0.3360



14.7433, 0.3644, 0.5205



14.7433, 0.1521, 0.2747



14.7433, 0.2357, 0.1879

Rectangle

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



14.7433, 0.5048, 0.3360



14.7433, 0.4735, 0.4536



14.7433, 0.1521, 0.2747



14.7433, 0.1618, 0.1876

Sweetspot

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



14.7441, 0.5048, 0.3360



59.0184, 0.3496, 0.3313



16.8570, 0.3242, 0.1905



12.1185, 0.3564, 0.3317



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



14.7441, 0.5048, 0.3360



21.8610, 0.5665, 0.3357



25.3502, 0.4460, 0.4118



8.5640, 0.3286, 0.3301



6.9204, 0.6360, 0.3332



0.2378, 0.6197, 0.3461

Inverse Universe

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



35.1263, 0.2361, 0.3205



61.6974, 0.2278, 0.3185



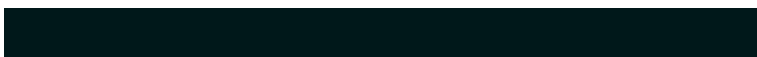
17.8523, 0.2133, 0.2210



9.5653, 0.2986, 0.3279



22.9122, 0.2209, 0.3152



0.7407, 0.2220, 0.3193

Previews

White Background



This preview shows how the Yxy color 14.7433, 0.5048, 0.3360 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 14.7433, 0.5048, 0.3360 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 14.7433, 0.5048, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 14.7433, 0.5048, 0.3360.



This preview shows how white text looks on a background with the Yxy color 14.7433, 0.5048, 0.3360.

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

14.7433, 0.5048, 0.3360

Protanopia

14.9640, 0.3585, 0.3855

Deuteranopia

14.8736, 0.4122, 0.4065



Tritanopia

14.7178, 0.4924, 0.3243

Trichromacy



Original Color

14.7433, 0.5048, 0.3360

Protanomaly

14.1952, 0.4117, 0.3642

Deuteranomaly

14.4140, 0.4478, 0.3764

Tritanomaly

14.6777, 0.4975, 0.3283

Monochromacy



Original Color

14.7433, 0.5048, 0.3360

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.3152, 0.3788, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7433, 0.5048, 0.3360 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(180, 72, 67)` looks like.

```
.text, #text, p{  
    color:rgb(180, 72, 67)  
}
```

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(180, 72, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 72, 67) }
```

Border

The CSS property to change the border of an element to Yxy 14.7433, 0.5048, 0.3360 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(180, 72, 67) }
```

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

```
.border{ border-color:rgb(180, 72, 67) }
```

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

Here you see how a box with a 4 pixel rgb(180, 72, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 72, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 72, 67);  
box-shadow:4px 4px 4px 4px rgb(180, 72,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7433, 0.5048, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 72, 67) }
```

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

```
.background{ background-color: rgb(180, 72,  
67) }
```

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