

Converting Colors

$Y_{xy}(14.7988, 0.3173, 0.3064)$

Have a look what the booklet for
Yxy(14.7988, 0.3173, 0.3064)
contains.

Yxy(14.7202, 0.3167, 0.3050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.7202, 0.3167, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	756773
RGB	117, 103, 115
RGB Percent	46%, 40%, 45%
CMY	0.5410, 0.5961, 0.5490
CMYK	0.00, 0.12, 0.02, 0.54
HSL	309°, 6%, 43%
HSV	309°, 12%, 46%
XYZ	15.2849, 14.7202, 18.2579
YIQ	108.5540, 4.4920, 6.7000

Conversions

Conversions Part 2

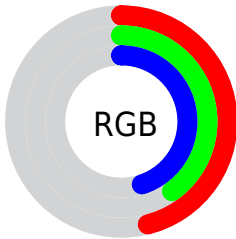
Format	Color
R_{YB}	117, 103, 115
Decimal	7694195
CIE Lab	45.25, 7.90, -4.69
CIE LCh	45, 9.185, 329.318
Yxy	14.7202, 0.3167, 0.3050
Android (android.graphics.Color)	4285884275 (0xFF756773)
YUV	108.5540, 3.1779, 7.4071
Hunter-Lab	38.3669, 3.9700, -1.3578

Details

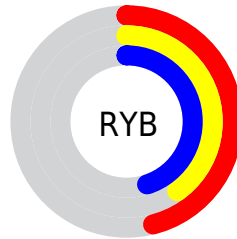
The Yxy color **14.7202, 0.3167, 0.3050** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6344, 0.3090, 0.3542**, and the grayscale version is **15.1515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3362, 0.3156, 0.3105**, and **4.4988, 0.3190, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **12.5150, 0.3205, 0.2844**, and if you desaturate by 10%, it is **17.2533, 0.3133, 0.3251**.

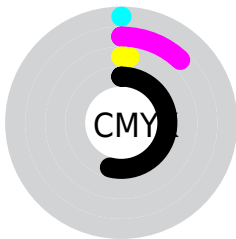
Distribution



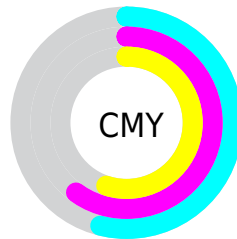
- Red (46%)
- Green (40%)
- Blue (45%)



- Red (46%)
- Yellow (40%)
- Blue (45%)



- Cyan (0%)
- Magenta (12%)
- Yellow (2%)
- Black (54%)



- Cyan (54%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7202, 0.3167, 0.3050 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 14.7202, 0.3167, 0.3050 by changing the saturation by 10% instead.

■ 14.7202, 0.3167,
0.3050

■ 14.7202, 0.3167,
0.3050

■ 221.6664, 0.3144,
0.3191

■ 8.6233, 0.3174,
0.3005

■ 34.3616, 0.3158,
0.3107

■ 4.4963, 0.3184,
0.2940

■ 48.6748, 0.3155,
0.3127

■ 1.9549, 0.3198,
0.2836

■ 66.4956, 0.3152,
0.3143

■ 0.5810, 0.3259,
0.2541

■ 88.2083, 0.3150,
0.3156

■ 0.0000, 0.0000,
0.0000

■ 114.1973, 0.3148,
0.3167

■ 144.8471, 0.3147,

0.3176

180.5420, 0.3145,
0.3184

■ 14.7202, 0.3167,
0.3050

■ 14.7202, 0.3167,
0.3050

■ 12.5150, 0.3205,
0.2844

■ 17.2533, 0.3133,
0.3251

■ 10.6224, 0.3247,
0.2637

■ 20.1251, 0.3104,
0.3443

■ 9.0285, 0.3294,
0.2435

■ 23.3482, 0.3079,
0.3623

■ 7.7178, 0.3344,
0.2247

■ 26.9340, 0.3057,
0.3791

■ 6.6734, 0.3396,
0.2081

■ 30.8936, 0.3038,
0.3947

■ 5.8766, 0.3449,
0.1945

■ 35.2372, 0.3022,
0.4090

■ 5.3061, 0.3502,
0.1846

■ 39.9749, 0.3009,
0.4221

■ 4.9369, 0.3553,
0.1787

■ 45.1165, 0.2997,
0.4341

■ 4.7073, 0.3594,
0.1753

■ 50.6711, 0.2987,
0.4450

Harmonies

Analogous

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



14.7202, 0.2980, 0.2980



14.7202, 0.3167, 0.3050



14.7202, 0.3348, 0.3179

Triad

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



14.7202, 0.3167, 0.3050



14.7202, 0.3423, 0.3597



14.7202, 0.2795, 0.3225

Complementary

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



14.7202, 0.3167, 0.3050



16.6344, 0.3090, 0.3542

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.



14.7202, 0.2907, 0.3401



14.7202, 0.3167, 0.3050



14.7202, 0.3268, 0.3620

Square

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



14.7202, 0.3167, 0.3050



14.7202, 0.3498, 0.3491



14.7202, 0.3079, 0.3549



14.7202, 0.2769, 0.3074

Rectangle

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



14.7202, 0.3167, 0.3050



14.7202, 0.3439, 0.3284



14.7202, 0.3079, 0.3549



14.7202, 0.2824, 0.3284

Sweetspot

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



14.7208, 0.3167, 0.3050



29.8733, 0.3140, 0.3209



13.9785, 0.2973, 0.2996



6.8006, 0.3142, 0.3197



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.



14.7208, 0.3167, 0.3050



25.3602, 0.3176, 0.3002



14.5685, 0.3260, 0.3186



3.7493, 0.3157, 0.3110



5.1812, 0.3596, 0.1754



25.1516, 0.3619, 0.1768

Inverse Universe

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



14.7208, 0.3167, 0.3050



25.3602, 0.3176, 0.3002



16.7815, 0.3011, 0.3396



3.7493, 0.3157, 0.3110



5.1812, 0.3596, 0.1754



25.1516, 0.3619, 0.1768

Previews

White Background



This preview shows how the Yxy color 14.7202, 0.3167, 0.3050 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 14.7202, 0.3167, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

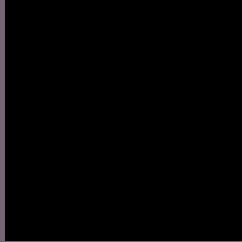
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7202, 0.3167, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 14.7202, 0.3167, 0.3050.



This preview shows how white text looks on a background with the Yxy color 14.7202, 0.3167, 0.3050.

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

14.7202, 0.3167, 0.3050

Protanopia

14.6566, 0.2989, 0.3062

Deuteranopia

14.7158, 0.3124, 0.3068



Tritanopia

14.8524, 0.3205, 0.3130

Trichromacy



Original Color

14.7202, 0.3167, 0.3050

Protanomaly

14.6791, 0.3055, 0.3065

Deuteranomaly

14.7833, 0.3138, 0.3069

Tritanomaly

14.8748, 0.3192, 0.3110

Monochromacy



Original Color

14.7202, 0.3167, 0.3050

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.1078, 0.3145, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7202, 0.3167, 0.3050 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(117, 103, 115)` looks like.

```
.text, #text, p{  
    color:rgb(117, 103, 115)  
}
```

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(117, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 103, 115) }
```

Border

The CSS property to change the border of an element to Yxy 14.7202, 0.3167, 0.3050 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(117, 103, 115) }
```

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

```
.border{ border-color:rgb(117, 103, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 103, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(117, 103,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7202, 0.3167, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 103, 115) }
```

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

```
.background{ background-color: rgb(117,  
103, 115) }
```

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