

Converting Colors

$Y_{xy}(15.0758, 0.2550, 0.3198)$

Have a look what the booklet for
Yxy(15.0758, 0.2550, 0.3198)
contains.

Yxy(15.0758, 0.2550, 0.3198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.0758, 0.2550, 0.3198)$

Conversions

Conversions Part 1

Format	Color
Hex	447478
RGB	68, 116, 120
RGB Percent	27%, 45%, 47%
CMY	0.7332, 0.5451, 0.5294
CMYK	0.43, 0.03, 0.00, 0.53
HSL	185°, 28%, 37%
HSV	185°, 43%, 47%
XYZ	12.0210, 15.0758, 20.0445
YIQ	102.1040, -29.8920, -8.9320

Conversions

Conversions Part 2

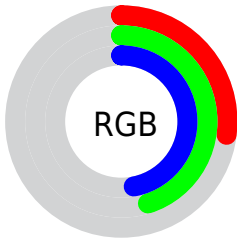
Format	Color
R_{YB}	68, 93, 120
Decimal	4486264
CIE Lab	45.74, -15.13, -7.33
CIE LCh	46, 16.814, 205.843
Yxy	15.0758, 0.2550, 0.3198
Android (android.graphics.Color)	4282676344 (0xFF447478)
YUV	102.1040, 8.8227, -29.9092
Hunter-Lab	38.8276, -12.6845, -3.4288

Details

The Yxy color **15.0758, 0.2550, 0.3198** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0501, 0.4146, 0.3377**, and the grayscale version is **13.3003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9058, 0.2686, 0.3226**, and **4.7037, 0.2290, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **14.4760, 0.2447, 0.3174**, and if you desaturate by 10%, it is **15.7672, 0.2667, 0.3221**.

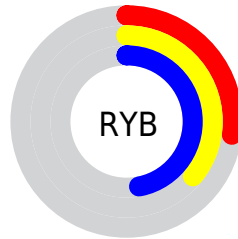
Distribution



Red (27%)

Green (45%)

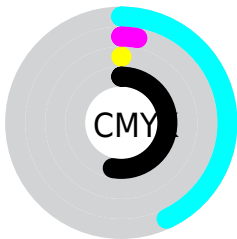
Blue (47%)



Red (27%)

Yellow (36%)

Blue (47%)

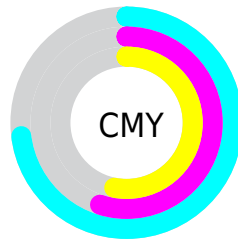


Cyan (43%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (73%)


Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0758, 0.2550, 0.3198 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 15.0758, 0.2550, 0.3198 by changing the saturation by 10% instead.


 15.0758, 0.2550,
0.3198


 15.0758, 0.2550,
0.3198


223.8246, 0.2887,
0.3258


 8.8726, 0.2444,
0.3175


 34.9861, 0.2687,
0.3225


 4.6582, 0.2291,
0.3138

 49.4620, 0.2734,
0.3233

 2.0481, 0.2054,
0.3071

 67.4642, 0.2772,
0.3240

 0.6352, 0.1119,
0.3033

 89.3772, 0.2803,
0.3245

 0.0000, 0.0000,
0.0000

 115.5854, 0.2829,
0.3249

146.4730, 0.2851,

0.3253

182.4246, 0.2870,
0.3256

■ 15.0758, 0.2550,
0.3198

■ 15.0758, 0.2550,
0.3198

■ 14.4760, 0.2447,
0.3174

■ 15.7672, 0.2667,
0.3221

■ 13.9607, 0.2360,
0.3149

■ 16.5535, 0.2796,
0.3244

■ 13.5244, 0.2290,
0.3124

■ 17.4398, 0.2934,
0.3265

■ 13.1603, 0.2238,
0.3098

■ 18.4304, 0.3078,
0.3284

■ 12.8595, 0.2203,
0.3073

■ 19.5295, 0.3227,
0.3302

■ 12.6725, 0.2182,
0.3057

■ 20.7407, 0.3378,
0.3318

■ 22.0679, 0.3528,
0.3332

■ 23.5143, 0.3676,
0.3345

■ 25.0834, 0.3820,
0.3356

Harmonies

Analogous

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



15.0758, 0.2759, 0.3529



15.0758, 0.2550, 0.3198



15.0758, 0.2489, 0.2918

Triad

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



15.0758, 0.2550, 0.3198



15.0758, 0.3153, 0.2847



15.0758, 0.3685, 0.3825

Complementary

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



15.0758, 0.2550, 0.3198



9.0501, 0.4146, 0.3377

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.



15.0758, 0.3809, 0.3609



15.0758, 0.2550, 0.3198



15.0758, 0.3493, 0.3060

Square

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



15.0758, 0.2550, 0.3198



15.0758, 0.2822, 0.2737



15.0758, 0.3739, 0.3332



15.0758, 0.3412, 0.3904

Rectangle

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



15.0758, 0.2550, 0.3198



15.0758, 0.2536, 0.2796



15.0758, 0.3739, 0.3332



15.0758, 0.3746, 0.3764

Sweetspot

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



15.0764, 0.2550, 0.3198



30.6723, 0.2934, 0.3265



15.1239, 0.3034, 0.4474



7.1971, 0.2907, 0.3261



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.0764, 0.2550, 0.3198



25.4648, 0.2447, 0.3174



9.9922, 0.2451, 0.2584



4.4622, 0.2994, 0.3273



13.8165, 0.2182, 0.3056



65.3438, 0.2179, 0.3043

Inverse Universe

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



9.3924, 0.3241, 0.2347



14.1901, 0.3271, 0.2152



13.0492, 0.3918, 0.3900



4.0724, 0.3148, 0.3095



5.6017, 0.3405, 0.1650



26.6637, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 15.0758, 0.2550, 0.3198 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 15.0758, 0.2550, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

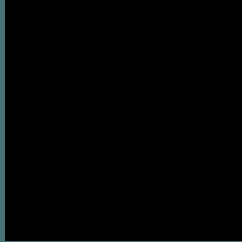
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0758, 0.2550, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 15.0758, 0.2550, 0.3198.



This preview shows how white text looks on a background with the Yxy color 15.0758, 0.2550, 0.3198.

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

15.0758, 0.2550, 0.3198

Protanopia

14.9413, 0.3040, 0.3125

Deuteranopia

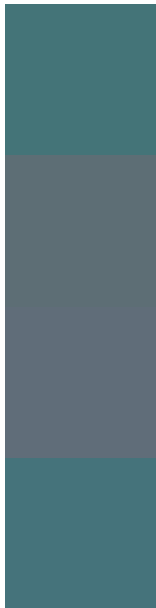
14.9530, 0.3008, 0.2950



Tritanopia

15.0073, 0.2510, 0.3066

Trichromacy



Original Color

15.0758, 0.2550, 0.3198

Protanomaly

14.7634, 0.2827, 0.3138

Deuteranomaly

14.8046, 0.2818, 0.3036

Tritanomaly

14.9567, 0.2528, 0.3109

Monochromacy



Original Color

15.0758, 0.2550, 0.3198

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7932, 0.2878, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0758, 0.2550, 0.3198 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(68, 116, 120)` looks like.

```
.text, #text, p{  
  color:rgb(68, 116, 120)  
}
```

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(68, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 116, 120) }
```

Border

The CSS property to change the border of an element to Yxy 15.0758, 0.2550, 0.3198 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(68, 116, 120) }
```

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

```
.border{ border-color:rgb(68, 116, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 116, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(68, 116,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0758, 0.2550, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 116, 120) }
```

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

```
.background{ background-color: rgb(68, 116,  
120) }
```

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](#).

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