

Converting Colors

$Y_{xy}(15.2391, 0.2699, 0.3500)$

Have a look what the booklet for
Yxy(15.2391, 0.2699, 0.3500)
contains.

Yxy(15.1830, 0.2704, 0.3497)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.1830, 0.2704, 0.3497)$

Conversions

Conversions Part 1

Format	Color
Hex	48756C
RGB	72, 117, 108
RGB Percent	28%, 46%, 42%
CMY	0.7176, 0.5412, 0.5765
CMYK	0.38, 0.00, 0.08, 0.54
HSL	168°, 24%, 37%
HSV	168°, 38%, 46%
XYZ	11.7400, 15.1830, 16.4942
YIQ	102.5190, -23.9310, -12.3390

Conversions

Conversions Part 2

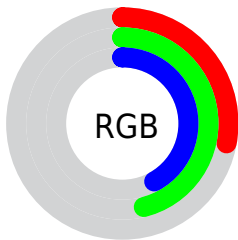
Format	Color
RYB	72, 97, 117
Decimal	4748652
CIELab	45.88, -17.73, 0.08
CIElCh	46, 17.733, 179.739
Yxy	15.1830, 0.2704, 0.3497
Android (android.graphics.Color)	4282938732 (0xFF48756C)
YUV	102.5190, 2.7021, -26.7652
Hunter-Lab	38.9654, -14.4085, 2.1781

Details

The Yxy color **15.1830, 0.2704, 0.3497** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0121, 0.3829, 0.3098**, and the grayscale version is **13.4279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0901, 0.2812, 0.3448**, and **4.6533, 0.2499, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **14.7266, 0.2617, 0.3560**, and if you desaturate by 10%, it is **15.7276, 0.2803, 0.3437**.

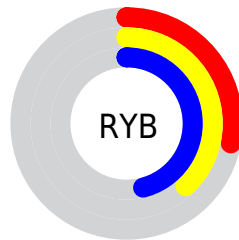
Distribution



Red (28%)

Green (46%)

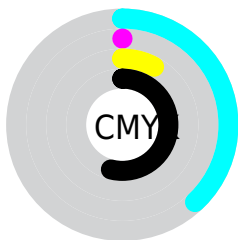
Blue (42%)



Red (28%)

Yellow (38%)

Blue (46%)

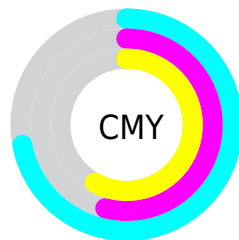


Cyan (38%)

Magenta (0%)

Yellow (8%)

Black (54%)



Cyan (72%)

Magenta (54%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1830, 0.2704, 0.3497 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 15.1830, 0.2704, 0.3497 by changing the saturation by 10% instead.

■ 15.1830, 0.2704,
0.3497

■ 15.1830, 0.2704,
0.3497

■ 224.4712, 0.2954,
0.3375

■ 8.9479, 0.2623,
0.3536

■ 35.1739, 0.2807,
0.3447

■ 4.7072, 0.2505,
0.3594

■ 49.6985, 0.2841,
0.3430

■ 2.0765, 0.2316,
0.3687

■ 67.7551, 0.2869,
0.3416

■ 0.6514, 0.1208,
0.4226

■ 89.7280, 0.2892,
0.3405

■ 0.0000, 0.0000,
0.0000

■ 116.0017, 0.2911,
0.3396

146.9605, 0.2928,

0.3388

182.9889, 0.2942,
0.3381

■ 15.1830, 0.2704,
0.3497

■ 15.1830, 0.2704,
0.3497

■ 14.7266, 0.2617,
0.3560

■ 15.7276, 0.2803,
0.3437

■ 14.3517, 0.2545,
0.3627

■ 16.3630, 0.2911,
0.3381

■ 14.0534, 0.2489,
0.3695

■ 17.0940, 0.3026,
0.3330

■ 13.8258, 0.2451,
0.3765

■ 17.9246, 0.3146,
0.3283

■ 13.6620, 0.2430,
0.3835

■ 18.8584, 0.3268,
0.3241

■ 13.5415, 0.2422,
0.3905

■ 19.8990, 0.3391,
0.3203

■ 13.5234, 0.2421,
0.3915

■ 21.0497, 0.3513,
0.3169

■ 22.3138, 0.3633,
0.3140

■ 23.6942, 0.3749,
0.3114

Harmonies

Analogous

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



15.1830, 0.3022, 0.3797



15.1830, 0.2704, 0.3497



15.1830, 0.2504, 0.3148

Triad

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



15.1830, 0.2704, 0.3497



15.1830, 0.2847, 0.2718



15.1830, 0.3839, 0.3659

Complementary

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



15.1830, 0.2704, 0.3497



9.0121, 0.3829, 0.3098

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.



15.1830, 0.3792, 0.3372



15.1830, 0.2704, 0.3497



15.1830, 0.3202, 0.2849

Square

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



15.1830, 0.2704, 0.3497



15.1830, 0.2583, 0.2720



15.1830, 0.3554, 0.3082



15.1830, 0.3684, 0.3872

Rectangle

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



15.1830, 0.2704, 0.3497



15.1830, 0.2457, 0.2949



15.1830, 0.3554, 0.3082



15.1830, 0.3847, 0.3567

Sweetspot

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



15.1836, 0.2704, 0.3497



30.0837, 0.2981, 0.3349



14.9742, 0.3194, 0.4352



6.8882, 0.2970, 0.3354



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.



15.1836, 0.2704, 0.3497



26.4651, 0.2628, 0.3552



12.6142, 0.2575, 0.2991



4.1433, 0.3019, 0.3333



14.8968, 0.2422, 0.3919



72.4701, 0.2432, 0.3956

Inverse Universe

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



9.0121, 0.3829, 0.3098



13.7588, 0.4074, 0.3055



10.7086, 0.3909, 0.3567



3.7118, 0.3247, 0.3248



4.2350, 0.5996, 0.3077



20.5366, 0.6112, 0.3141

Previews

White Background



This preview shows how the Yxy color 15.1830, 0.2704, 0.3497 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 15.1830, 0.2704, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

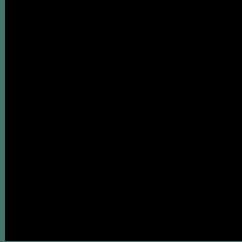
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1830, 0.2704, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 15.1830, 0.2704, 0.3497.



This preview shows how white text looks on a background with the Yxy color 15.1830, 0.2704, 0.3497.

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

15.1830, 0.2704, 0.3497

Protanopia

15.0839, 0.3233, 0.3394

Deuteranopia

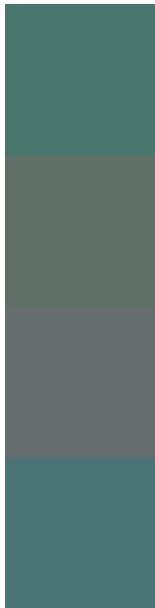
15.1024, 0.3231, 0.3170



Tritanopia

15.2532, 0.2584, 0.3091

Trichromacy



Original Color

15.1830, 0.2704, 0.3497

Protanomaly

14.9302, 0.3016, 0.3421

Deuteranomaly

14.8298, 0.3008, 0.3268

Tritanomaly

15.2946, 0.2634, 0.3244

Monochromacy



Original Color

15.1830, 0.2704, 0.3497

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.0204, 0.2951, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1830, 0.2704, 0.3497 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(72, 117, 108)` looks like.

```
.text, #text, p{  
  color:rgb(72, 117, 108)  
}
```

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(72, 117, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 117, 108) }
```

Border

The CSS property to change the border of an element to Yxy 15.1830, 0.2704, 0.3497 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(72, 117, 108) }
```

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

```
.border{ border-color:rgb(72, 117, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 117, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 117, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 117, 108);  
box-shadow:4px 4px 4px 4px rgb(72, 117,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1830, 0.2704, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 117, 108) }
```

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

```
.background{ background-color: rgb(72, 117,  
108) }
```

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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