

Converting Colors

$Y_{xy}(14.9044, 0.2711, 0.3362)$

Have a look what the booklet for
Yxy(14.9044, 0.2711, 0.3362)
contains.

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Color

Yxy(14.9869, 0.2720, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	4D736F
RGB	77, 115, 111
RGB Percent	30%, 45%, 44%
CMY	0.6980, 0.5490, 0.5647
CMYK	0.33, 0.00, 0.03, 0.55
HSL	174°, 20%, 38%
HSV	174°, 33%, 45%
XYZ	12.0605, 14.9869, 17.2926
YIQ	103.1820, -21.3640, -9.3000

Conversions

Conversions Part 2

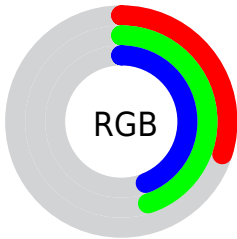
Format	Color
R_{YB}	77, 97, 115
Decimal	5075823
CIE Lab	45.62, -14.33, -2.07
CIE LCh	46, 14.483, 188.232
Yxy	14.9869, 0.2720, 0.3380
Android (android.graphics.Color)	4283265903 (0xFF4D736F)
YUV	103.1820, 3.8543, -22.9616
Hunter-Lab	38.7129, -12.1384, 0.6149

Details

The Yxy color **14.9869, 0.2720, 0.3380** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5484, 0.3762, 0.3204**, and the grayscale version is **13.6086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7938, 0.2811, 0.3352**, and **4.6344, 0.2534, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **14.5240, 0.2618, 0.3411**, and if you desaturate by 10%, it is **15.5359, 0.2834, 0.3350**.

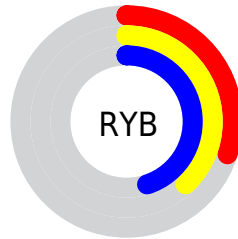
Distribution



Red (30%)

Green (45%)

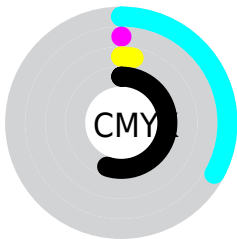
Blue (44%)



Red (30%)

Yellow (38%)

Blue (45%)

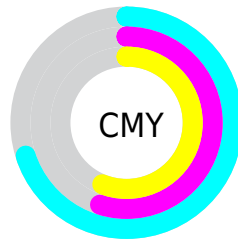


Cyan (33%)

Magenta (0%)

Yellow (3%)

Black (55%)



Cyan (70%)


Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9869, 0.2720, 0.3380 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 14.9869, 0.2720, 0.3380 by changing the saturation by 10% instead.


 14.9869, 0.2720,
0.3380


 14.9869, 0.2720,
0.3380


223.2869, 0.2960,
0.3329


 8.8102, 0.2643,
0.3395


 34.8302, 0.2818,
0.3359


 4.6176, 0.2530,
0.3417

 49.2656, 0.2852,
0.3352

 2.0247, 0.2349,
0.3450

 67.2226, 0.2879,
0.3347

 0.6218, 0.1431,
0.3690

 89.0858, 0.2901,
0.3342

 0.0000, 0.0000,
0.0000

 115.2394, 0.2919,
0.3338

146.0678, 0.2935,

0.3334

181.9555, 0.2948,
0.3331

■ 14.9869, 0.2720,
0.3380

■ 14.9869, 0.2720,
0.3380

■ 14.5240, 0.2618,
0.3411

■ 15.5359, 0.2834,
0.3350

■ 14.1411, 0.2531,
0.3444

■ 16.1735, 0.2957,
0.3323

■ 13.8337, 0.2459,
0.3478

■ 16.9039, 0.3087,
0.3297

■ 13.5966, 0.2404,
0.3513

■ 17.7310, 0.3221,
0.3274

■ 13.4237, 0.2367,
0.3548

■ 18.6581, 0.3358,
0.3253

■ 13.3070, 0.2346,
0.3582

■ 19.6884, 0.3495,
0.3235

■ 13.2382, 0.2335,
0.3606

■ 20.8252, 0.3631,
0.3218

■ 22.0714, 0.3764,
0.3204

■ 23.4298, 0.3893,
0.3192

Harmonies

Analogous

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



14.9869, 0.2963, 0.3643



14.9869, 0.2720, 0.3380



14.9869, 0.2587, 0.3104

Triad

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



14.9869, 0.2720, 0.3380



14.9869, 0.2977, 0.2835



14.9869, 0.3691, 0.3657

Complementary

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



14.9869, 0.2720, 0.3380



9.5484, 0.3762, 0.3204

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.



14.9869, 0.3699, 0.3432



14.9869, 0.2720, 0.3380



14.9869, 0.3276, 0.2972

Square

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



14.9869, 0.2720, 0.3380



14.9869, 0.2729, 0.2805



14.9869, 0.3545, 0.3186



14.9869, 0.3526, 0.3798

Rectangle

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



14.9869, 0.2720, 0.3380



14.9869, 0.2574, 0.2955



14.9869, 0.3545, 0.3186



14.9869, 0.3712, 0.3588

Sweetspot

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



14.9875, 0.2720, 0.3380



29.3066, 0.2992, 0.3315



14.5667, 0.3139, 0.4194



6.9580, 0.2978, 0.3318



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.



14.9875, 0.2720, 0.3380



26.1603, 0.2637, 0.3405



12.0146, 0.2640, 0.2949



4.1489, 0.3008, 0.3312



15.1318, 0.2336, 0.3609



73.6641, 0.2341, 0.3627

Inverse Universe

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



9.5484, 0.3762, 0.3204



14.7409, 0.3990, 0.3183



11.7615, 0.3741, 0.3606



3.7066, 0.3261, 0.3268



4.1957, 0.6221, 0.3201



20.3819, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 14.9869, 0.2720, 0.3380 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 14.9869, 0.2720, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

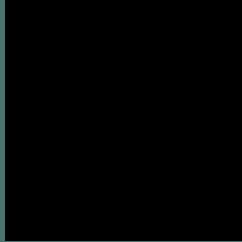
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9869, 0.2720, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 14.9869, 0.2720, 0.3380.



This preview shows how white text looks on a background with the Yxy color 14.9869, 0.2720, 0.3380.

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

14.9869, 0.2720, 0.3380

Protanopia

14.8710, 0.3182, 0.3311

Deuteranopia

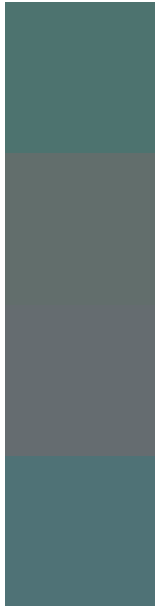
14.7377, 0.3164, 0.3108



Tritanopia

14.9209, 0.2637, 0.3091

Trichromacy



Original Color

14.9869, 0.2720, 0.3380

Protanomaly

14.8312, 0.2993, 0.3333

Deuteranomaly

14.6617, 0.2984, 0.3204

Tritanomaly

15.0049, 0.2668, 0.3200

Monochromacy



Original Color

14.9869, 0.2720, 0.3380

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.9357, 0.2965, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9869, 0.2720, 0.3380 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(77, 115, 111)` looks like.

```
.text, #text, p{  
    color:rgb(77, 115, 111)  
}
```

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(77, 115, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 115, 111) }
```

Border

The CSS property to change the border of an element to Yxy 14.9869, 0.2720, 0.3380 is called "border". The border property can be set on classes, ids or directly on the HTML element.

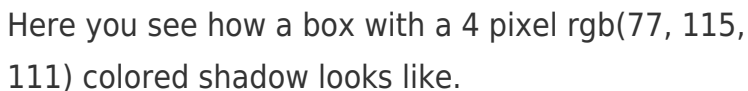
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 115, 111) }
```

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

```
.border{ border-color:rgb(77, 115, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 115, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 115, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 115, 111); box-shadow:4px 4px 4px 4px rgb(77, 115, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9869, 0.2720, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 115, 111) }
```

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

```
.background{ background-color: rgb(77, 115,  
111) }
```

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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