

Converting Colors

$Yxy(16.0854, 0.2723, 0.3557)$

Have a look what the booklet for
Yxy(16.0854, 0.2723, 0.3557)
contains.

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Color

$Y_{xy}(15.9929, 0.2721, 0.3538)$

Conversions

Conversions Part 1

Format	Color
Hex	4A786D
RGB	74, 120, 109
RGB Percent	29%, 47%, 43%
CMY	0.7099, 0.5294, 0.5725
CMYK	0.38, 0.00, 0.09, 0.53
HSL	166°, 24%, 38%
HSV	166°, 38%, 47%
XYZ	12.2998, 15.9929, 16.9105
YIQ	104.9920, -23.8850, -13.1730

Conversions

Conversions Part 2

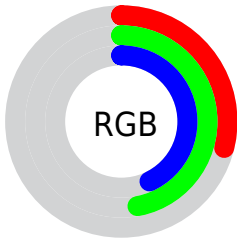
Format	Color
RYB	74, 100, 120
Decimal	4880493
CIELab	46.97, -18.50, 1.06
CIELCh	47, 18.527, 176.734
Yxy	15.9929, 0.2721, 0.3538
Android (android.graphics.Color)	4283070573 (0xFF4A786D)
YUV	104.9920, 1.9759, -27.1800
Hunter-Lab	39.9911, -15.0844, 2.9226

Details

The Yxy color **15.9929, 0.2721, 0.3538** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5428, 0.3795, 0.3061**, and the grayscale version is **14.1226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4031, 0.2823, 0.3477**, and **5.0610, 0.2529, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **15.5013, 0.2638, 0.3615**, and if you desaturate by 10%, it is **16.5787, 0.2816, 0.3466**.

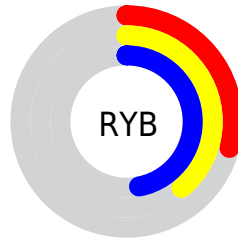
Distribution



Red (29%)

Green (47%)

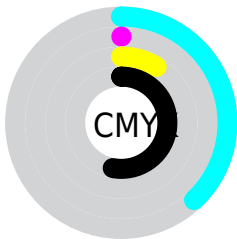
Blue (43%)



Red (29%)

Yellow (39%)

Blue (47%)

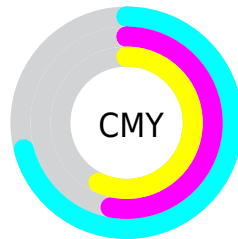


Cyan (38%)

Magenta (0%)

Yellow (9%)

Black (53%)



Cyan (71%)


Magenta (53%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9929, 0.2721, 0.3538 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 15.9929, 0.2721, 0.3538 by changing the saturation by 10% instead.


 15.9929, 0.2721,
0.3538


 15.9929, 0.2721,
0.3538


229.2998, 0.2960,
0.3392


 9.5191, 0.2645,
0.3585


 36.5859, 0.2819,
0.3478


 5.0813, 0.2533,
0.3655

 51.4739, 0.2852,
0.3457


 2.2950, 0.2356,
0.3767

 69.9354, 0.2879,
0.3441

 0.7711, 0.1547,
0.4241

 92.3549, 0.2901,
0.3428

 0.0000, 0.0000,
0.0000

 119.1166, 0.2919,
0.3416

150.6051, 0.2935,

0.3407

187.2047, 0.2948,
0.3399

■ 15.9929, 0.2721,
0.3538

■ 15.9929, 0.2721,
0.3538

■ 15.5013, 0.2638,
0.3615

■ 16.5787, 0.2816,
0.3466

■ 15.0967, 0.2568,
0.3695

■ 17.2615, 0.2920,
0.3399

■ 14.7741, 0.2515,
0.3778

■ 18.0465, 0.3031,
0.3337

■ 14.5270, 0.2480,
0.3862

■ 18.9378, 0.3146,
0.3281

■ 14.3480, 0.2462,
0.3947

■ 19.9393, 0.3263,
0.3231

■ 14.2166, 0.2458,
0.4033

■ 21.0549, 0.3381,
0.3185

■ 14.1957, 0.2457,
0.4047

■ 22.2880, 0.3497,
0.3145

■ 23.6421, 0.3611,
0.3110

■ 25.1205, 0.3722,
0.3079

Harmonies

Analogous

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



15.9929, 0.3056, 0.3835



15.9929, 0.2721, 0.3538



15.9929, 0.2501, 0.3178

Triad

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



15.9929, 0.2721, 0.3538



15.9929, 0.2807, 0.2697



15.9929, 0.3863, 0.3640

Complementary

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



15.9929, 0.2721, 0.3538



9.5428, 0.3795, 0.3061

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.



15.9929, 0.3794, 0.3342



15.9929, 0.2721, 0.3538



15.9929, 0.3165, 0.2819

Square

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



15.9929, 0.2721, 0.3538



15.9929, 0.2549, 0.2714



15.9929, 0.3532, 0.3049



15.9929, 0.3722, 0.3871

Rectangle

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



15.9929, 0.2721, 0.3538



15.9929, 0.2442, 0.2967



15.9929, 0.3532, 0.3049



15.9929, 0.3864, 0.3544

Sweetspot

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



15.9935, 0.2721, 0.3538



31.1721, 0.2987, 0.3361



15.8823, 0.3213, 0.4346



7.3550, 0.2976, 0.3367



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.



15.9935, 0.2721, 0.3538



27.3593, 0.2647, 0.3605



13.6414, 0.2580, 0.3027



4.4969, 0.3023, 0.3342



15.4829, 0.2458, 0.4050



73.7172, 0.2471, 0.4094

Inverse Universe

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



9.5428, 0.3795, 0.3061



14.3045, 0.4028, 0.3009



11.0606, 0.3921, 0.3535



4.0293, 0.3243, 0.3239



4.4491, 0.5886, 0.3016



21.1088, 0.6008, 0.3083

Previews

White Background



This preview shows how the Yxy color 15.9929, 0.2721, 0.3538 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 15.9929, 0.2721, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

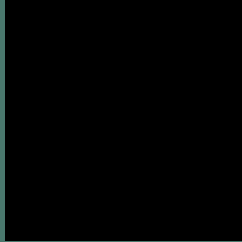
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9929, 0.2721, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 15.9929, 0.2721, 0.3538.



This preview shows how white text looks on a background with the Yxy color 15.9929, 0.2721, 0.3538.

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

15.9929, 0.2721, 0.3538

Protanopia

15.7962, 0.3272, 0.3413

Deuteranopia

15.7502, 0.3256, 0.3192



Tritanopia

15.8746, 0.2582, 0.3074

Trichromacy



Original Color

15.9929, 0.2721, 0.3538

Protanomaly

15.7846, 0.3042, 0.3461

Deuteranomaly

15.6791, 0.3035, 0.3311

Tritanomaly

15.8907, 0.2640, 0.3245

Monochromacy



Original Color

15.9929, 0.2721, 0.3538

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5722, 0.2966, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9929, 0.2721, 0.3538 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(74, 120, 109)` looks like.

```
.text, #text, p{  
    color:rgb(74, 120, 109)  
}
```

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(74, 120, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 120, 109) }
```

Border

The CSS property to change the border of an element to Yxy 15.9929, 0.2721, 0.3538 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(74, 120, 109) }
```

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

```
.border{ border-color:rgb(74, 120, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 120, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 120, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 120, 109);  
box-shadow:4px 4px 4px 4px rgb(74, 120,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9929, 0.2721, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 120, 109) }
```

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

```
.background{ background-color: rgb(74, 120,  
109) }
```

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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