

Converting Colors

$Y_{xy}(29.9995, 0.2595, 0.3715)$

Have a look what the booklet for
Yxy(29.9995, 0.2595, 0.3715)
contains.

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Color

$\text{Yxy}(29.9299, 0.2590, 0.3708)$

Conversions

Conversions Part 1

Format	Color
Hex	4AA48D
RGB	74, 164, 141
RGB Percent	29%, 64%, 55%
CMY	0.7100, 0.3568, 0.4470
CMYK	0.55, 0.00, 0.14, 0.36
HSL	165°, 38%, 47%
HSV	165°, 55%, 64%
XYZ	20.9057, 29.9299, 29.8815
YIQ	134.4680, -46.2570, -26.2330

Conversions

Conversions Part 2

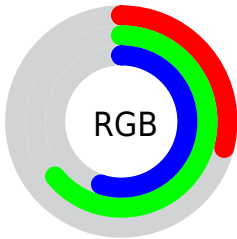
Format	Color
RYB	74, 126, 164
Decimal	4891789
CIELab	61.59, -32.64, 3.81
CIElCh	62, 32.859, 173.338
Yxy	29.9299, 0.2590, 0.3708
Android (android.graphics.Color)	4283081869 (0xFF4AA48D)
YUV	134.4680, 3.2203, -53.0304
Hunter-Lab	54.7082, -27.5289, 5.9117

Details

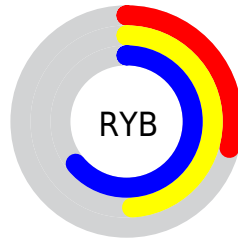
The Yxy color **29.9299, 0.2590, 0.3708** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6472, 0.4288, 0.2939**, and the grayscale version is **24.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3490, 0.2699, 0.3608**, and **12.3437, 0.2408, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **29.2409, 0.2534, 0.3799**, and if you desaturate by 10%, it is **30.7956, 0.2663, 0.3620**.

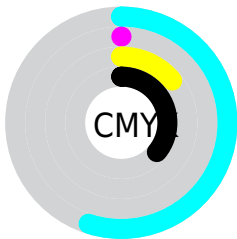
Distribution



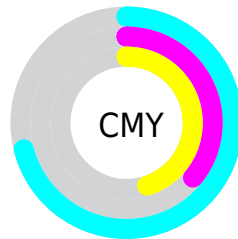
- Red (29%)
- Green (64%)
- Blue (55%)



- Red (29%)
- Yellow (49%)
- Blue (64%)



- Cyan (55%)
- Magenta (0%)
- Yellow (14%)
- Black (36%)




- Cyan (71%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9299, 0.2590, 0.3708 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 29.9299, 0.2590, 0.3708 by changing the saturation by 10% instead.


 29.9299, 0.2590,
0.3708


 29.9299, 0.2590,
0.3708


301.5776, 0.2879,
0.3480


 19.7854, 0.2510,
0.3772


 59.5513, 0.2700,
0.3620


 12.2391, 0.2403,
0.3860


 79.7970, 0.2740,
0.3589


 6.9068, 0.2252,
0.3985


 104.1785, 0.2773,
0.3563

 3.4039, 0.2024,
0.4181

 133.0803, 0.2801,
0.3541

 1.3460, 0.1454,
0.4626

 166.8866, 0.2825,
0.3522

 0.1764, 0.0000,
1.0000

205.9821, 0.2845,

 0.0000, 0.0000,

0.3506

0.0000

250.7509, 0.2863,
0.3492

■ 29.9299, 0.2590,
0.3708

■ 29.9299, 0.2590,
0.3708

■ 29.2409, 0.2534,
0.3799

■ 30.7956, 0.2663,
0.3620

■ 28.7116, 0.2496,
0.3893

■ 31.8466, 0.2750,
0.3536

■ 28.3275, 0.2477,
0.3987

■ 33.0951, 0.2849,
0.3458

■ 28.0693, 0.2477,
0.4081

■ 34.5512, 0.2957,
0.3386

■ 27.9618, 0.2480,
0.4128

■ 36.2242, 0.3070,
0.3320

■ 38.1232, 0.3187,
0.3260

■ 40.2564, 0.3305,
0.3207

■ 42.6316, 0.3423,
0.3160

■ 45.2566, 0.3539,
0.3118

Harmonies

Analogous

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



29.9299, 0.3071, 0.4133



29.9299, 0.2590, 0.3708



29.9299, 0.2269, 0.3170

Triad

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



29.9299, 0.2590, 0.3708



29.9299, 0.2619, 0.2457



29.9299, 0.4190, 0.3715

Complementary

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



29.9299, 0.2590, 0.3708



13.6472, 0.4288, 0.2939

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.



29.9299, 0.4061, 0.3298



29.9299, 0.2590, 0.3708



29.9299, 0.3112, 0.2608

Square

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



29.9299, 0.2590, 0.3708



29.9299, 0.2288, 0.2491



29.9299, 0.3652, 0.2906



29.9299, 0.4007, 0.4075

Rectangle

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



29.9299, 0.2590, 0.3708



29.9299, 0.2175, 0.2858



29.9299, 0.3652, 0.2906



29.9299, 0.4183, 0.3578

Sweetspot

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



29.9311, 0.2590, 0.3708



62.3187, 0.2941, 0.3396



29.6421, 0.3239, 0.4912



13.5080, 0.2920, 0.3409



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.9311, 0.2590, 0.3708



52.8230, 0.2523, 0.3821



23.7782, 0.2364, 0.2906



7.9802, 0.3020, 0.3348



21.4459, 0.2478, 0.4119



0.4576, 0.2384, 0.3782

Inverse Universe

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



13.6472, 0.4288, 0.2939



20.1711, 0.4723, 0.2894



16.5659, 0.4507, 0.3618



7.1143, 0.3247, 0.3233



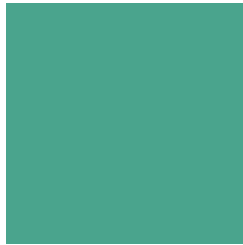
6.1858, 0.5868, 0.3006



0.1371, 0.4923, 0.2486

Previews

White Background



This preview shows how the Yxy color 29.9299, 0.2590, 0.3708 looks on a white 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

Black Background



This preview shows how the Yxy color 29.9299, 0.2590, 0.3708 looks on a black 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

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

Yxy 29.9299, 0.2590, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 29.9299, 0.2590, 0.3708.

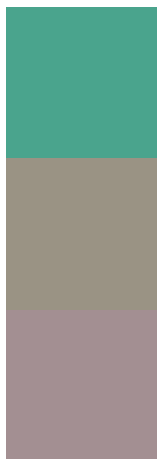


This preview shows how white text looks on a background with the Yxy color 29.9299, 0.2590, 0.3708.

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

29.9299, 0.2590, 0.3708

Protanopia

29.4034, 0.3350, 0.3527

Deuteranopia

29.5068, 0.3312, 0.3245



Tritanopia

30.0050, 0.2434, 0.3085

Trichromacy



Original Color

29.9299, 0.2590, 0.3708

Protanomaly

28.8917, 0.3015, 0.3596

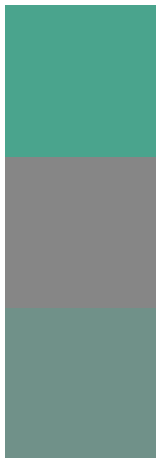
Deuteranomaly

28.9721, 0.2993, 0.3406

Tritanomaly

29.7684, 0.2484, 0.3288

Monochromacy



Original Color

29.9299, 0.2590, 0.3708

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.5017, 0.2870, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9299, 0.2590, 0.3708 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, 164, 141)` looks like.

```
.text, #text, p{  
  color:rgb(74, 164, 141)  
}
```

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, 164, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 164, 141) }
```

Border

The CSS property to change the border of an element to Yxy 29.9299, 0.2590, 0.3708 is called "border". The border property can be set on classes, ids or directly on the HTML element.

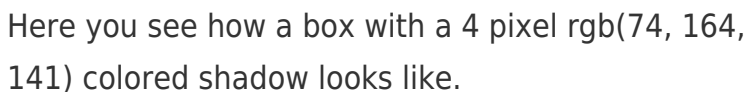
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(74, 164, 141) }
```

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

```
.border{ border-color:rgb(74, 164, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(74, 164, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(74, 164, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(74, 164, 141); box-shadow:4px 4px 4px 4px rgb(74, 164, 141) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9299, 0.2590, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 164, 141) }
```

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

```
.background{ background-color: rgb(74, 164,  
141) }
```

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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