

Converting Colors

$Y_{xy}(29.5671, 0.2477, 0.3718)$

Have a look what the booklet for
Yxy(29.5671, 0.2477, 0.3718)
contains.

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Color

Yxy(29.5671, 0.2477, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	33A58E
RGB	51, 165, 142
RGB Percent	20%, 65%, 56%
CMY	0.8005, 0.3529, 0.4431
CMYK	0.69, 0.00, 0.14, 0.35
HSL	168°, 53%, 42%
HSV	168°, 69%, 65%
XYZ	19.6981, 29.5671, 30.2590
YIQ	128.2920, -60.5610, -31.3210

Conversions

Conversions Part 2

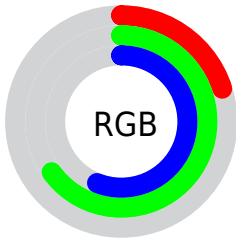
Format	Color
RYB	51, 114, 165
Decimal	3384718
CIELab	61.28, -37.21, 2.72
CIElCh	61, 37.307, 175.812
Yxy	29.5671, 0.2477, 0.3718
Android (android.graphics.Color)	4281574798 (0xFF33A58E)
YUV	128.2920, 6.7580, -67.7851
Hunter-Lab	54.3756, -30.4939, 5.0692

Details

The Yxy color **29.5671, 0.2477, 0.3718** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.8510, 0.4927, 0.2982**, and the grayscale version is **21.6743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1432, 0.2607, 0.3627**, and **12.3610, 0.2400, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **29.1156, 0.2443, 0.3790**, and if you desaturate by 10%, it is **30.1758, 0.2530, 0.3647**.

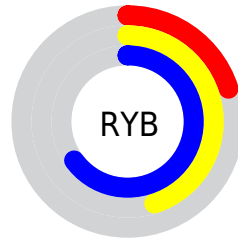
Distribution



Red (20%)

Green (65%)

Blue (56%)



Red (20%)

Yellow (45%)

Blue (65%)

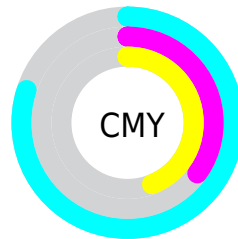


Cyan (69%)

Magenta (0%)

Yellow (14%)

Black (35%)



Cyan (80%)


Magenta (35%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5671, 0.2477, 0.3718 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 29.5671, 0.2477, 0.3718 by changing the saturation by 10% instead.


 29.5671, 0.2477,
0.3718


 29.5671, 0.2477,
0.3718


299.8814, 0.2826,
0.3485

 19.5102, 0.2382,
0.3783


 58.9769, 0.2610,
0.3629

 12.0395, 0.2254,
0.3871


 79.0986, 0.2658,
0.3597


 6.7706, 0.2075,
0.3996


 103.3441, 0.2698,
0.3570

 3.3191, 0.1807,
0.4189

 132.0977, 0.2731,
0.3548

 1.3005, 0.1008,
0.4707

 165.7438, 0.2760,
0.3529

 0.1416, 0.0000,
1.0000

204.6669, 0.2785,

 0.0000, 0.0000,

0.3512

0.0000

249.2513, 0.2807,
0.3498

■ 29.5671, 0.2477,
0.3718

■ 29.5671, 0.2477,
0.3718

■ 29.1156, 0.2443,
0.3790

■ 30.1758, 0.2530,
0.3647

■ 28.8010, 0.2428,
0.3863

■ 30.9529, 0.2600,
0.3577

■ 28.5898, 0.2428,
0.3935

■ 31.9123, 0.2687,
0.3511

■ 28.5733, 0.2428,
0.3941

■ 33.0656, 0.2786,
0.3448

■ 34.4233, 0.2896,
0.3389

■ 35.9954, 0.3014,
0.3335

■ 37.7910, 0.3138,
0.3286

■ 39.8188, 0.3264,
0.3242

■ 42.0869, 0.3390,
0.3202

Harmonies

Analogous

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



29.5671, 0.3007, 0.4235



29.5671, 0.2477, 0.3718



29.5671, 0.2140, 0.3097

Triad

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



29.5671, 0.2477, 0.3718



29.5671, 0.2590, 0.2362



29.5671, 0.4331, 0.3794

Complementary

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



29.5671, 0.2477, 0.3718



10.8510, 0.4927, 0.2982

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.



29.5671, 0.4219, 0.3328



29.5671, 0.2477, 0.3718



29.5671, 0.3157, 0.2546

Square

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



29.5671, 0.2477, 0.3718



29.5671, 0.2204, 0.2377



29.5671, 0.3771, 0.2888



29.5671, 0.4090, 0.4199

Rectangle

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



29.5671, 0.2477, 0.3718



29.5671, 0.2052, 0.2755



29.5671, 0.3771, 0.2888



29.5671, 0.4336, 0.3641

Sweetspot

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



29.5682, 0.2477, 0.3718



61.0676, 0.2871, 0.3402



28.6731, 0.3182, 0.5366



13.2093, 0.2842, 0.3417



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.



29.5682, 0.2477, 0.3718



51.8055, 0.2433, 0.3829



20.1041, 0.2193, 0.2673



7.9867, 0.3013, 0.3336



21.6199, 0.2426, 0.3934



0.4602, 0.2354, 0.3673

Inverse Universe

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



10.8510, 0.4927, 0.2982



16.0845, 0.5544, 0.3011



14.4587, 0.4983, 0.3748



7.1082, 0.3255, 0.3245



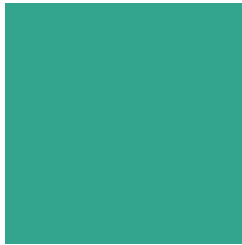
6.1418, 0.6029, 0.3095



0.1350, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 29.5671, 0.2477, 0.3718 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 29.5671, 0.2477, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

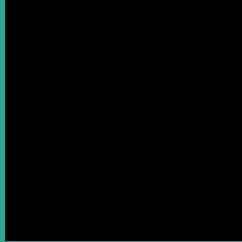
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5671, 0.2477, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 29.5671, 0.2477, 0.3718.

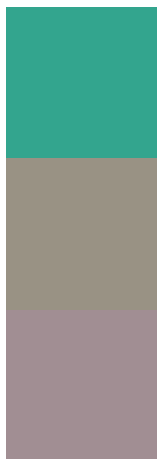


This preview shows how white text looks on a background with the Yxy color 29.5671, 0.2477, 0.3718.

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

29.5671, 0.2477, 0.3718

Protanopia

28.9960, 0.3341, 0.3513

Deuteranopia

29.0297, 0.3282, 0.3214



Tritanopia

29.7040, 0.2335, 0.3065

Trichromacy



Original Color

29.5671, 0.2477, 0.3718

Protanomaly

28.2730, 0.2922, 0.3586

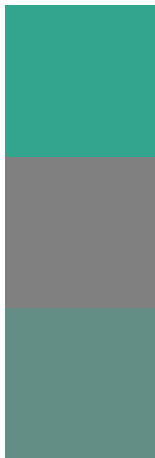
Deuteranomaly

27.9220, 0.2889, 0.3375

Tritanomaly

29.4414, 0.2386, 0.3288

Monochromacy



Original Color

29.5671, 0.2477, 0.3718

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.4525, 0.2789, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5671, 0.2477, 0.3718 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(51, 165, 142)` looks like.

```
.text, #text, p{  
    color:rgb(51, 165, 142)  
}
```

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(51, 165, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 165, 142) }
```

Border

The CSS property to change the border of an element to Yxy 29.5671, 0.2477, 0.3718 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(51, 165, 142) }
```

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

```
.border{ border-color:rgb(51, 165, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 165, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 165, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 165, 142);  
box-shadow:4px 4px 4px 4px rgb(51, 165,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5671, 0.2477, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 165, 142) }
```

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

```
.background{ background-color: rgb(51, 165,  
142) }
```

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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