

Converting Colors

$Y_{xy}(29.8658, 0.2443, 0.3288)$

Have a look what the booklet for
Yxy(29.8658, 0.2443, 0.3288)
contains.

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Color

Yxy(29.8658, 0.2443, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	49A2A2
RGB	73, 162, 162
RGB Percent	29%, 64%, 64%
CMY	0.7136, 0.3647, 0.3647
CMYK	0.55, 0.00, 0.00, 0.36
HSL	180°, 38%, 46%
HSV	180°, 55%, 64%
XYZ	22.1904, 29.8658, 38.7765
YIQ	135.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

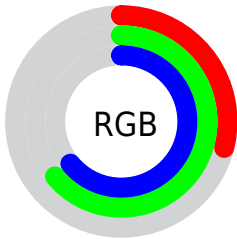
Format	Color
R_{YB}	73, 118, 162
Decimal	4825762
CIE _{Lab}	61.54, -26.34, -8.08
CIE _{LCh}	62, 27.549, 197.050
Yxy	29.8658, 0.2443, 0.3288
Android (android.graphics.Color)	4283015842 (0xFF49A2A2)
YUV	135.3890, 13.1192, -54.7152
Hunter-Lab	54.6496, -23.1570, -3.8143

Details

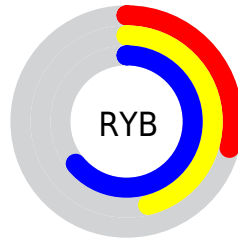
The Yxy color **29.8658, 0.2443, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9308, 0.4711, 0.3295**, and the grayscale version is **24.3481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3813, 0.2577, 0.3288**, and **12.2776, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **29.3142, 0.2369, 0.3288**, and if you desaturate by 10%, it is **30.5845, 0.2536, 0.3288**.

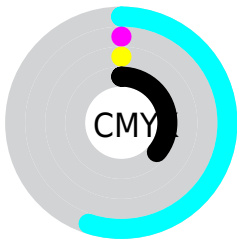
Distribution



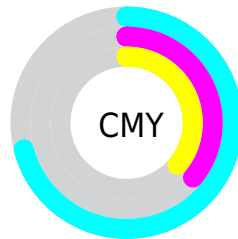
- Red (29%)
- Green (64%)
- Blue (64%)



- Red (29%)
- Yellow (46%)
- Blue (64%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8658, 0.2443, 0.3288 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 29.8658, 0.2443, 0.3288 by changing the saturation by 10% instead.


 29.8658, 0.2443,
0.3288


 29.8658, 0.2443,
0.3288


301.2784, 0.2803,
0.3297


 19.7367, 0.2347,
0.3282


 59.4499, 0.2578,
0.3294


 12.2038, 0.2221,
0.3273


 79.6737, 0.2628,
0.3295

 6.8827, 0.2047,
0.3255


 104.0312, 0.2669,
0.3296

 3.3888, 0.1795,
0.3218

 132.9069, 0.2704,
0.3296

 1.3379, 0.1346,
0.3153

 166.6850, 0.2734,
0.3297

 0.1703, 0.0000,
0.1850

205.7501, 0.2760,

 0.0000, 0.0000,

0.3297

0.0000

250.4864, 0.2783,
0.3297

■ 29.8658, 0.2443,
0.3288

■ 29.8658, 0.2443,
0.3288

■ 29.3142, 0.2369,
0.3288

■ 30.5845, 0.2536,
0.3288

■ 28.9133, 0.2313,
0.3288

■ 31.4785, 0.2645,
0.3289

■ 28.6490, 0.2275,
0.3288

■ 32.5597, 0.2769,
0.3289

■ 28.5026, 0.2254,
0.3287

■ 33.8378, 0.2906,
0.3289

■ 28.4496, 0.2247,
0.3287

■ 35.3219, 0.3052,
0.3290

■ 37.0206, 0.3206,
0.3290

■ 38.9419, 0.3363,
0.3291

■ 41.0934, 0.3521,
0.3291

■ 43.4824, 0.3679,
0.3292

Harmonies

Analogous

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



29.8658, 0.2754, 0.3726



29.8658, 0.2443, 0.3288



29.8658, 0.2311, 0.2891

Triad

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



29.8658, 0.2443, 0.3288



29.8658, 0.3023, 0.2668



29.8658, 0.3923, 0.3906

Complementary

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



29.8658, 0.2443, 0.3288



12.9308, 0.4711, 0.3295

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.



29.8658, 0.4019, 0.3589



29.8658, 0.2443, 0.3288



29.8658, 0.3479, 0.2903

Square

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



29.8658, 0.2443, 0.3288



29.8658, 0.2626, 0.2572



29.8658, 0.3854, 0.3229



29.8658, 0.3609, 0.4087

Rectangle

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



29.8658, 0.2443, 0.3288



29.8658, 0.2332, 0.2706



29.8658, 0.3854, 0.3229



29.8658, 0.3982, 0.3811

Sweetspot

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



29.8669, 0.2443, 0.3288



61.0876, 0.2886, 0.3289



27.7983, 0.3057, 0.5003



13.6142, 0.2859, 0.3289



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.



29.8669, 0.2443, 0.3288



53.0240, 0.2354, 0.3288



17.2184, 0.2275, 0.2468



8.0113, 0.2988, 0.3290



22.4130, 0.2247, 0.3287



0.4709, 0.2247, 0.3287

Inverse Universe

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



12.9308, 0.4711, 0.3295



19.0422, 0.5286, 0.3296



20.6602, 0.4288, 0.3963



7.0860, 0.3285, 0.3290



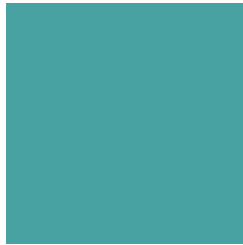
6.0516, 0.6401, 0.3300



0.1272, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 29.8658, 0.2443, 0.3288 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 29.8658, 0.2443, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

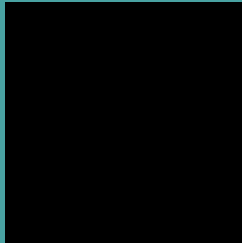
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8658, 0.2443, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 29.8658, 0.2443, 0.3288.

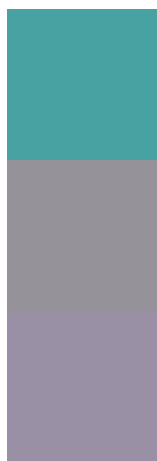


This preview shows how white text looks on a background with the Yxy color 29.8658, 0.2443, 0.3288.

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

29.8658, 0.2443, 0.3288

Protanopia

29.5569, 0.3090, 0.3196

Deuteranopia

29.5697, 0.3020, 0.2959



Tritanopia

29.7365, 0.2390, 0.3067

Trichromacy



Original Color

29.8658, 0.2443, 0.3288

Protanomaly

28.9217, 0.2798, 0.3223

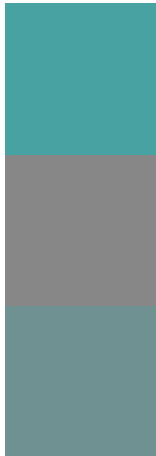
Deuteranomaly

29.2098, 0.2759, 0.3063

Tritanomaly

29.8908, 0.2412, 0.3150

Monochromacy



Original Color

29.8658, 0.2443, 0.3288

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.7399, 0.2801, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8658, 0.2443, 0.3288 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(73, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(73, 162, 162)  
}
```

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(73, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 162, 162) }
```

Border

The CSS property to change the border of an element to Yxy 29.8658, 0.2443, 0.3288 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(73, 162, 162) }
```

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

```
.border{ border-color:rgb(73, 162, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(73, 162,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8658, 0.2443, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 162, 162) }
```

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

```
.background{ background-color: rgb(73, 162,  
162) }
```

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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