

Converting Colors

$Y_{xy}(29.4893, 0.2393, 0.3287)$

Have a look what the booklet for
Yxy(29.4893, 0.2393, 0.3287)
contains.

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Color

Yxy(29.5061, 0.2395, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	3FA2A2
RGB	63, 162, 162
RGB Percent	25%, 64%, 64%
CMY	0.7528, 0.3647, 0.3647
CMYK	0.61, 0.00, 0.00, 0.36
HSL	180°, 44%, 44%
HSV	180°, 61%, 64%
XYZ	21.4924, 29.5061, 38.7402
YIQ	132.3990, -59.0040, -20.9880

Conversions

Conversions Part 2

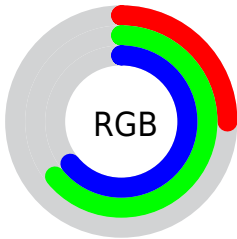
Format	Color
RYB	63, 113, 162
Decimal	4170402
CIELab	61.23, -28.25, -8.57
CIELCh	61, 29.525, 196.878
Yxy	29.5061, 0.2395, 0.3288
Android (android.graphics.Color)	4282360482 (0xFF3FA2A2)
YUV	132.3990, 14.5933, -60.8629
Hunter-Lab	54.3195, -24.4326, -4.2615

Details

The Yxy color **29.5061, 0.2395, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5995, 0.4994, 0.3295**, and the grayscale version is **23.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7730, 0.2538, 0.3288**, and **12.2776, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **29.0497, 0.2332, 0.3288**, and if you desaturate by 10%, it is **30.1217, 0.2476, 0.3288**.

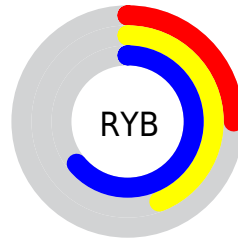
Distribution



Red (25%)

Green (64%)

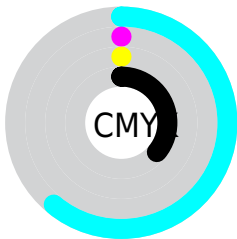
Blue (64%)



Red (25%)

Yellow (44%)

Blue (64%)

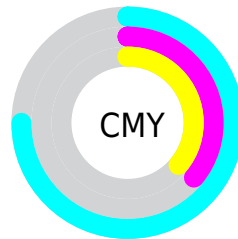


Cyan (61%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (75%)


Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5061, 0.2395, 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 29.5061, 0.2395, 0.3288 by changing the saturation by 10% instead.


 29.5061, 0.2395,
0.3288


 29.5061, 0.2395,
0.3288

299.5954, 0.2781,
0.3298


 19.4640, 0.2293,
0.3282


 58.8802, 0.2540,
0.3294

 12.0060, 0.2158,
0.3270


 78.9810, 0.2593,
0.3296


 6.7478, 0.1973,
0.3250


 103.2036, 0.2637,
0.3297

 3.3049, 0.1705,
0.3208

 131.9322, 0.2674,
0.3298

 1.2929, 0.1195,
0.3144

 165.5513, 0.2707,
0.3298

 0.1357, 0.0000,
0.1537

204.4453, 0.2734,

 0.0000, 0.0000,

0.3298

0.0000

248.9985, 0.2759,
0.3298

■ 29.5061, 0.2395,
0.3288

■ 29.5061, 0.2395,
0.3288

■ 29.0497, 0.2332,
0.3288

■ 30.1217, 0.2476,
0.3288

■ 28.7349, 0.2288,
0.3288

■ 30.9056, 0.2576,
0.3288

■ 28.5461, 0.2261,
0.3288

■ 31.8703, 0.2691,
0.3289

■ 28.4492, 0.2247,
0.3288

■ 33.0259, 0.2820,
0.3289

■ 34.3820, 0.2961,
0.3290

■ 35.9474, 0.3110,
0.3290

■ 37.7305, 0.3266,
0.3290

■ 39.7392, 0.3424,
0.3291

■ 41.9810, 0.3582,
0.3291

Harmonies

Analogous

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



29.5061, 0.2728, 0.3763



29.5061, 0.2395, 0.3288



29.5061, 0.2254, 0.2861

Triad

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



29.5061, 0.2395, 0.3288



29.5061, 0.3011, 0.2625



29.5061, 0.3982, 0.3947

Complementary

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



29.5061, 0.2395, 0.3288



11.5995, 0.4994, 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.



29.5061, 0.4086, 0.3603



29.5061, 0.2395, 0.3288



29.5061, 0.3502, 0.2873

Square

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



29.5061, 0.2395, 0.3288



29.5061, 0.2587, 0.2522



29.5061, 0.3908, 0.3220



29.5061, 0.3645, 0.4147

Rectangle

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



29.5061, 0.2395, 0.3288



29.5061, 0.2276, 0.2663



29.5061, 0.3908, 0.3220



29.5061, 0.4047, 0.3842

Sweetspot

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



29.5072, 0.2395, 0.3288



60.5952, 0.2858, 0.3289



27.3133, 0.3048, 0.5210



13.4634, 0.2820, 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.



29.5072, 0.2395, 0.3288



52.5213, 0.2316, 0.3288



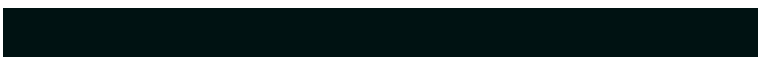
15.7387, 0.2187, 0.2356



8.0113, 0.2988, 0.3290



22.4126, 0.2247, 0.3288



0.4709, 0.2247, 0.3288

Inverse Universe

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



11.5995, 0.4994, 0.3295



17.1828, 0.5615, 0.3297



19.3807, 0.4457, 0.4024



7.0860, 0.3285, 0.3290



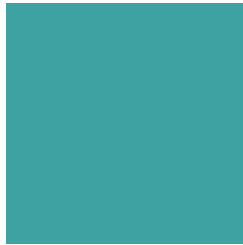
6.0516, 0.6401, 0.3300



0.1272, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 29.5061, 0.2395, 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 29.5061, 0.2395, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

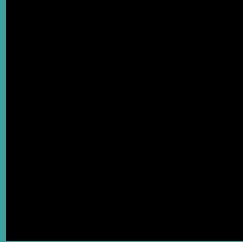
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5061, 0.2395, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 29.5061, 0.2395, 0.3288.

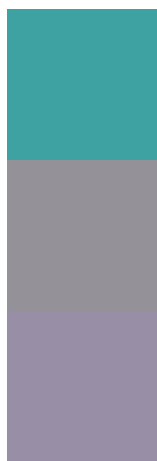


This preview shows how white text looks on a background with the Yxy color 29.5061, 0.2395, 0.3288.

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

29.5061, 0.2395, 0.3288

Protanopia

29.1207, 0.3090, 0.3196

Deuteranopia

29.0735, 0.3000, 0.2941



Tritanopia

29.3877, 0.2346, 0.3064

Trichromacy



Original Color

29.5061, 0.2395, 0.3288



Protanomaly

28.6387, 0.2764, 0.3222



Deuteranomaly

28.5224, 0.2715, 0.3043



Tritanomaly

29.5126, 0.2363, 0.3149

Monochromacy



Original Color

29.5061, 0.2395, 0.3288



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

24.7539, 0.2769, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5061, 0.2395, 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(63, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(63, 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(63, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 162, 162) }
```

Border

The CSS property to change the border of an element to Yxy 29.5061, 0.2395, 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(63, 162, 162) }
```

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

```
.border{ border-color:rgb(63, 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(63, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(63, 162,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5061, 0.2395, 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(63, 162, 162) }
```

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

```
.background{ background-color: rgb(63, 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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