

Converting Colors

$Y_{xy}(29.0025, 0.2512, 0.3288)$

Have a look what the booklet for
Yxy(29.0025, 0.2512, 0.3288)
contains.

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Color

$Y_{xy}(29.1385, 0.2508, 0.3288)$

Conversions

Conversions Part 1

Format	Color
Hex	539F9F
RGB	83, 159, 159
RGB Percent	33%, 62%, 62%
CMY	0.6744, 0.3765, 0.3764
CMYK	0.48, 0.00, 0.00, 0.38
HSL	180°, 31%, 47%
HSV	180°, 48%, 62%
XYZ	22.2261, 29.1385, 37.2562
YIQ	136.2760, -45.2960, -16.1120

Conversions

Conversions Part 2

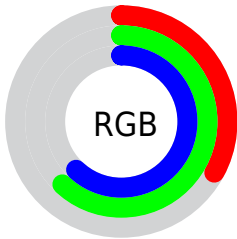
Format	Color
R _Y B	83, 121, 159
Decimal	5480351
CIE Lab	60.90, -23.44, -7.29
CIE LCh	61, 24.547, 197.286
Yxy	29.1385, 0.2508, 0.3288
Android (android.graphics.Color)	4283670431 (0xFF539F9F)
YUV	136.2760, 11.2029, -46.7231
Hunter-Lab	53.9801, -20.9685, -3.1349

Details

The Yxy color **29.1385, 0.2508, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1904, 0.4401, 0.3294**, and the grayscale version is **24.7032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3514, 0.2630, 0.3289**, and **11.7687, 0.2299, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **28.4964, 0.2421, 0.3288**, and if you desaturate by 10%, it is **29.9487, 0.2613, 0.3288**.

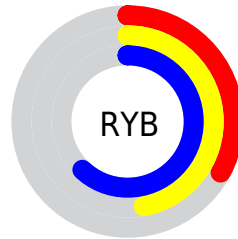
Distribution



Red (33%)

Green (62%)

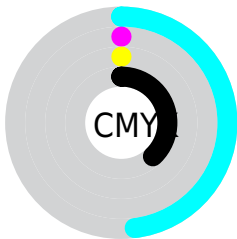
Blue (62%)



Red (33%)

Yellow (47%)

Blue (62%)

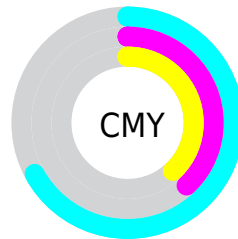


Cyan (48%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (67%)


Magenta (38%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1385, 0.2508, 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 29.1385, 0.2508, 0.3288 by changing the saturation by 10% instead.


 29.1385, 0.2508,
0.3288


 29.1385, 0.2508,
0.3288


297.8679, 0.2836,
0.3296


 19.1856, 0.2420,
0.3283


 58.2971, 0.2632,
0.3293


 11.8045, 0.2303,
0.3275

 78.2715, 0.2677,
0.3294

 6.6107, 0.2141,
0.3260


 102.3553, 0.2714,
0.3295

 3.2198, 0.1902,
0.3229

 130.9328, 0.2746,
0.3295

 1.2476, 0.1464,
0.3176

164.3884, 0.2774,
0.3295

 0.1000, 0.0000,
0.1392

203.1066, 0.2797,

 0.0000, 0.0000,

0.3296

0.0000

247.4716, 0.2818,
0.3296

■ 29.1385, 0.2508,
0.3288

■ 29.1385, 0.2508,
0.3288

■ 28.4964, 0.2421,
0.3288

■ 29.9487, 0.2613,
0.3288

■ 28.0076, 0.2351,
0.3287

■ 30.9341, 0.2733,
0.3289

■ 27.6602, 0.2301,
0.3287


■ 32.1054, 0.2866,
0.3289

■ 27.4392, 0.2268,
0.3287


■ 33.4713, 0.3010,
0.3290

■ 27.3185, 0.2250,
0.3287

■ 35.0403, 0.3161,
0.3290

 27.2956, 0.2246,
0.3287

 36.8200, 0.3317,
0.3291

 38.8180, 0.3476,
0.3291

 41.0413, 0.3634,
0.3292

 43.4966, 0.3789,
0.3292

Harmonies

Analogous

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



29.1385, 0.2790, 0.3676



29.1385, 0.2508, 0.3288



29.1385, 0.2388, 0.2932

Triad

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



29.1385, 0.2508, 0.3288



29.1385, 0.3039, 0.2727



29.1385, 0.3842, 0.3851

Complementary

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



29.1385, 0.2508, 0.3288



14.1904, 0.4401, 0.3294

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.



29.1385, 0.3928, 0.3567



29.1385, 0.2508, 0.3288



29.1385, 0.3447, 0.2942

Square

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



29.1385, 0.2508, 0.3288



29.1385, 0.2678, 0.2639



29.1385, 0.3781, 0.3241



29.1385, 0.3561, 0.4005

Rectangle

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



29.1385, 0.2508, 0.3288



29.1385, 0.2408, 0.2764



29.1385, 0.3781, 0.3241



29.1385, 0.3896, 0.3766

Sweetspot

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



29.1396, 0.2508, 0.3288



58.3109, 0.2916, 0.3289



27.2643, 0.3058, 0.4756



13.0375, 0.2887, 0.3289



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.1396, 0.2508, 0.3288



50.9991, 0.2418, 0.3288



18.0243, 0.2378, 0.2571



7.5094, 0.2988, 0.3290



21.5571, 0.2246, 0.3287



0.3855, 0.2247, 0.3287

Inverse Universe

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



16.0671, 0.3180, 0.2160



24.7973, 0.3190, 0.1959



21.6769, 0.4086, 0.3902



6.7546, 0.3138, 0.3070



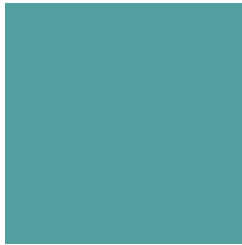
7.7984, 0.3209, 0.1542



0.1394, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.1385, 0.2508, 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 29.1385, 0.2508, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

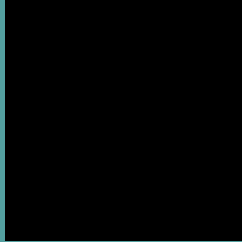
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1385, 0.2508, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 29.1385, 0.2508, 0.3288.

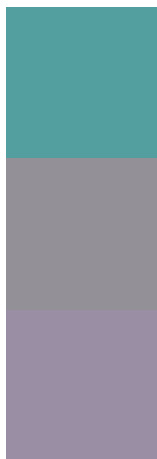


This preview shows how white text looks on a background with the Yxy color 29.1385, 0.2508, 0.3288.

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

29.1385, 0.2508, 0.3288

Protanopia

28.6882, 0.3090, 0.3195

Deuteranopia

28.7627, 0.3038, 0.2970



Tritanopia

29.0425, 0.2454, 0.3067

Trichromacy



Original Color

29.1385, 0.2508, 0.3288

Protanomaly

28.4309, 0.2840, 0.3223

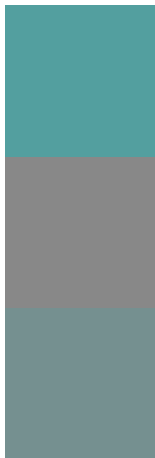
Deuteranomaly

28.3776, 0.2807, 0.3062

Tritanomaly

29.1853, 0.2477, 0.3151

Monochromacy



Original Color

29.1385, 0.2508, 0.3288

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7420, 0.2855, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1385, 0.2508, 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(83, 159, 159)` looks like.

```
.text, #text, p{  
    color:rgb(83, 159, 159)  
}
```

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(83, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 159, 159) }
```

Border

The CSS property to change the border of an element to Yxy 29.1385, 0.2508, 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(83, 159, 159) }
```

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

```
.border{ border-color:rgb(83, 159, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 159, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 159, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 159, 159);  
box-shadow:4px 4px 4px 4px rgb(83, 159,  
159) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 29.1385, 0.2508, 0.3288$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 159, 159) }
```

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

```
.background{ background-color: rgb(83, 159,  
159) }
```

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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