

Converting Colors

$Yxy(24.8701, 0.2291, 0.3050)$

Have a look what the booklet for
Yxy(24.8701, 0.2291, 0.3050)
contains.

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Color

Yxy(24.8073, 0.2288, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	3395A2
RGB	51, 149, 162
RGB Percent	20%, 58%, 64%
CMY	0.8002, 0.4157, 0.3646
CMYK	0.69, 0.08, 0.00, 0.36
HSL	187°, 52%, 42%
HSV	187°, 69%, 64%
XYZ	18.6340, 24.8073, 38.0009
YIQ	121.1800, -62.5810, -16.7330

Conversions

Conversions Part 2

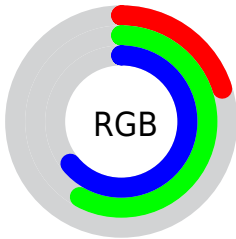
Format	Color
R_{YB}	51, 103, 162
Decimal	3380642
CIE _{Lab}	56.89, -23.70, -15.15
CIE _{LCh}	57, 28.130, 212.575
Yxy	24.8073, 0.2288, 0.3046
Android (android.graphics.Color)	4281570722 (0xFF3395A2)
YUV	121.1800, 20.1243, -61.5479
Hunter-Lab	49.8069, -20.3809, -10.3713

Details

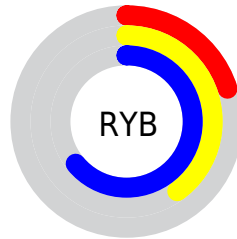
The Yxy color **24.8073, 0.2288, 0.3046** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5865, 0.5195, 0.3472**, and the grayscale version is **19.1270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1664, 0.2457, 0.3099**, and **9.8612, 0.2156, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **23.8624, 0.2224, 0.3006**, and if you desaturate by 10%, it is **25.9105, 0.2370, 0.3086**.

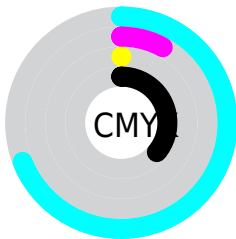
Distribution



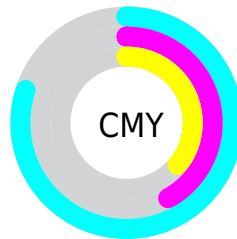
- Red (20%)
- Green (58%)
- Blue (64%)



- Red (20%)
- Yellow (40%)
- Blue (64%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (36%)



- Cyan (80%)
- Magenta (42%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8073, 0.2288, 0.3046 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 24.8073, 0.2288, 0.3046 by changing the saturation by 10% instead.

■ 24.8073, 0.2288,
0.3046

■ 24.8073, 0.2288,
0.3046

■ 276.8769, 0.2738,
0.3193

■ 15.9335, 0.2166,
0.2999

■ 51.3444, 0.2458,
0.3106

■ 9.4771, 0.2005,
0.2932

■ 69.7766, 0.2520,
0.3127

■ 5.0537, 0.1782,
0.2830

■ 92.1637, 0.2572,
0.3143

■ 2.2788, 0.1458,
0.2657

■ 118.8901, 0.2615,
0.3157

■ 0.7625, 0.0467,
0.2440

■ 150.3403, 0.2652,
0.3168

■ 0.0000, 0.0000,
0.0000

186.8985, 0.2685,

0.3177

228.9493, 0.2713,
0.3186

■ 24.8073, 0.2288,
0.3046

■ 24.8073, 0.2288,
0.3046

■ 23.8624, 0.2224,
0.3006

■ 25.9105, 0.2370,
0.3086

■ 23.0569, 0.2179,
0.2966

■ 27.1829, 0.2470,
0.3125

■ 22.3613, 0.2149,
0.2926

■ 28.6377, 0.2585,
0.3163

■ 22.2636, 0.2145,
0.2920

■ 30.2859, 0.2713,
0.3200

■ 32.1376, 0.2852,
0.3234

■ 34.2022, 0.2998,
0.3265

■ 36.4885, 0.3149,
0.3294

■ 39.0047, 0.3302,
0.3320

■ 41.7587, 0.3455,
0.3344

Harmonies

Analogous

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



24.8073, 0.2527, 0.3522



24.8073, 0.2288, 0.3046



24.8073, 0.2256, 0.2693

Triad

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



24.8073, 0.2288, 0.3046



24.8073, 0.3269, 0.2734



24.8073, 0.3835, 0.4084

Complementary

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



24.8073, 0.2288, 0.3046



11.5865, 0.5195, 0.3472

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.



24.8073, 0.4075, 0.3798



24.8073, 0.2288, 0.3046



24.8073, 0.3741, 0.3044

Square

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



24.8073, 0.2288, 0.3046



24.8073, 0.2790, 0.2549



24.8073, 0.4045, 0.3421



24.8073, 0.3413, 0.4165

Rectangle

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



24.8073, 0.2288, 0.3046



24.8073, 0.2351, 0.2561



24.8073, 0.4045, 0.3421



24.8073, 0.3941, 0.4005

Sweetspot

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



24.8082, 0.2288, 0.3046



57.3277, 0.2812, 0.3224



26.9219, 0.2961, 0.5241



12.6760, 0.2775, 0.3215



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.



24.8082, 0.2288, 0.3046



42.5430, 0.2199, 0.2986



11.2340, 0.2014, 0.1910



7.8688, 0.2988, 0.3263



17.5740, 0.2145, 0.2923



0.4066, 0.2186, 0.3068

Inverse Universe

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



12.2175, 0.3394, 0.1927



19.1124, 0.3459, 0.1778



21.2232, 0.4482, 0.4294



7.1878, 0.3154, 0.3094



7.6182, 0.3522, 0.1714



0.1638, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 24.8073, 0.2288, 0.3046 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 24.8073, 0.2288, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

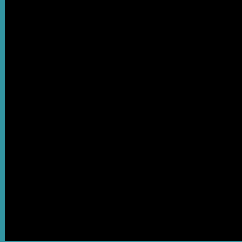
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8073, 0.2288, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 24.8073, 0.2288, 0.3046.

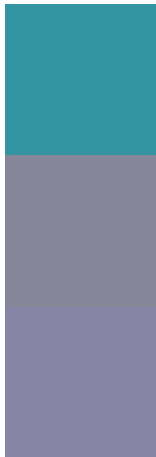


This preview shows how white text looks on a background with the Yxy color 24.8073, 0.2288, 0.3046.

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

24.8073, 0.2288, 0.3046

Protanopia

24.6144, 0.2926, 0.2990

Deuteranopia

24.5966, 0.2814, 0.2757



Tritanopia

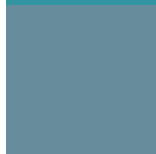
24.7462, 0.2290, 0.3064

Trichromacy



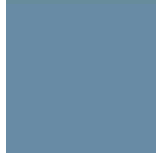
Original Color

24.8073, 0.2288, 0.3046



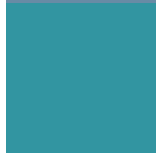
Protanomaly

24.0400, 0.2622, 0.3005



Deuteranomaly

24.1249, 0.2558, 0.2839



Tritanomaly

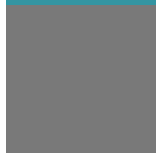
24.7462, 0.2290, 0.3064

Monochromacy



Original Color

24.8073, 0.2288, 0.3046



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

20.4970, 0.2707, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8073, 0.2288, 0.3046 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, 149, 162)` looks like.

```
.text, #text, p{  
    color:rgb(51, 149, 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(51, 149, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 149, 162) }
```

Border

The CSS property to change the border of an element to Yxy 24.8073, 0.2288, 0.3046 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, 149, 162) }
```

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

```
.border{ border-color:rgb(51, 149, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 149, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 149, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 149, 162);  
box-shadow:4px 4px 4px 4px rgb(51, 149,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8073, 0.2288, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 149, 162) }
```

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

```
.background{ background-color: rgb(51, 149,  
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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