

Converting Colors

$Yxy(24.9037, 0.2285, 0.3033)$

Have a look what the booklet for
Yxy(24.9037, 0.2285, 0.3033)
contains.

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Color

Yxy(24.8430, 0.2283, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	3395A3
RGB	51, 149, 163
RGB Percent	20%, 58%, 64%
CMY	0.7997, 0.4157, 0.3609
CMYK	0.69, 0.09, 0.00, 0.36
HSL	187°, 52%, 42%
HSV	187°, 69%, 64%
XYZ	18.7245, 24.8430, 38.4496
YIQ	121.2940, -62.9020, -16.4220

Conversions

Conversions Part 2

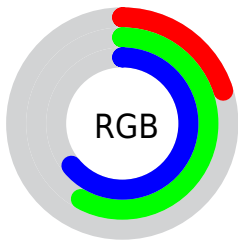
Format	Color
R_{YB}	51, 103, 163
Decimal	3380643
CIE _{Lab}	56.92, -23.39, -15.64
CIE _{LCh}	57, 28.132, 213.769
Yxy	24.8430, 0.2283, 0.3029
Android (android.graphics.Color)	4281570723 (0xFF3395A3)
YUV	121.2940, 20.5611, -61.6478
Hunter-Lab	49.8428, -20.1674, -10.8475

Details

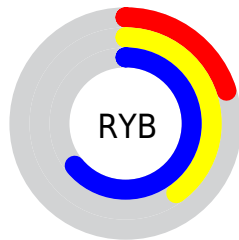
The Yxy color **24.8430, 0.2283, 0.3029** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8109, 0.5190, 0.3484**, and the grayscale version is **19.1741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2186, 0.2452, 0.3086**, and **9.8831, 0.2148, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **23.8529, 0.2218, 0.2986**, and if you desaturate by 10%, it is **25.9947, 0.2366, 0.3072**.

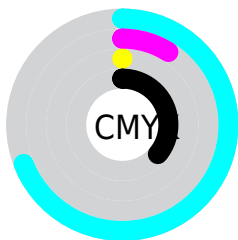
Distribution



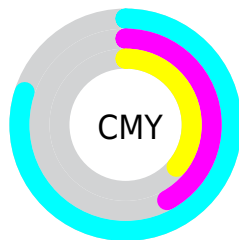
- Red (20%)
- Green (58%)
- Blue (64%)



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



- Cyan (69%)
- Magenta (9%)
- Yellow (0%)
- Black (36%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8430, 0.2283, 0.3029 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 24.8430, 0.2283, 0.3029 by changing the saturation by 10% instead.


 24.8430, 0.2283,
0.3029


 24.8430, 0.2283,
0.3029


277.0552, 0.2735,
0.3185


 15.9601, 0.2161,
0.2980


 51.4024, 0.2454,
0.3093


 9.4959, 0.1999,
0.2909


 69.8477, 0.2516,
0.3115


 5.0661, 0.1776,
0.2802

 92.2493, 0.2568,
0.3132

 2.2861, 0.1452,
0.2623

 118.9916, 0.2612,
0.3146

 0.7663, 0.0491,
0.2389

 150.4589, 0.2649,
0.3159

 0.0000, 0.0000,
0.0000

187.0357, 0.2682,

0.3169

229.1063, 0.2710,
0.3178

■ 24.8430, 0.2283,
0.3029

■ 24.8430, 0.2283,
0.3029

■ 23.8529, 0.2218,
0.2986

■ 25.9947, 0.2366,
0.3072

■ 23.0052, 0.2172,
0.2943

■ 27.3191, 0.2466,
0.3114

■ 22.2696, 0.2141,
0.2900

■ 28.8297, 0.2582,
0.3154

■ 22.1742, 0.2137,
0.2895

■ 30.5376, 0.2711,
0.3193

■ 32.4531, 0.2850,
0.3229

■ 34.5858, 0.2997,
0.3263

■ 36.9445, 0.3147,
0.3294

■ 39.5376, 0.3300,
0.3322

■ 42.3732, 0.3453,
0.3347

Harmonies

Analogous

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



24.8430, 0.2514, 0.3502



24.8430, 0.2283, 0.3029



24.8430, 0.2259, 0.2683

Triad

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



24.8430, 0.2283, 0.3029



24.8430, 0.3289, 0.2745



24.8430, 0.3821, 0.4092

Complementary

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



24.8430, 0.2283, 0.3029



11.8109, 0.5190, 0.3484

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.



24.8430, 0.4070, 0.3811



24.8430, 0.2283, 0.3029



24.8430, 0.3757, 0.3058

Square

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



24.8430, 0.2283, 0.3029



24.8430, 0.2808, 0.2554



24.8430, 0.4051, 0.3437



24.8430, 0.3394, 0.4162

Rectangle

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



24.8430, 0.2283, 0.3029



24.8430, 0.2359, 0.2556



24.8430, 0.4051, 0.3437



24.8430, 0.3929, 0.4016

Sweetspot

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



24.8439, 0.2283, 0.3029



57.1627, 0.2811, 0.3220



27.2652, 0.2961, 0.5246



12.6346, 0.2775, 0.3210



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.



24.8439, 0.2283, 0.3029



41.9617, 0.2194, 0.2965



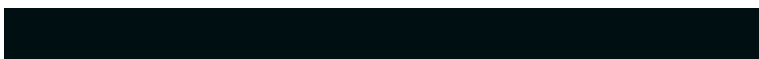
11.3493, 0.2012, 0.1907



7.8595, 0.2988, 0.3261



17.2828, 0.2139, 0.2898



0.4026, 0.2181, 0.3053

Inverse Universe

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



12.3283, 0.3408, 0.1935



19.0537, 0.3477, 0.1789



21.4770, 0.4485, 0.4295



7.1869, 0.3156, 0.3096



7.5888, 0.3545, 0.1726



0.1634, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 24.8430, 0.2283, 0.3029 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 24.8430, 0.2283, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

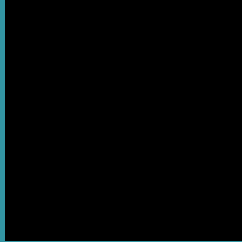
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8430, 0.2283, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 24.8430, 0.2283, 0.3029.

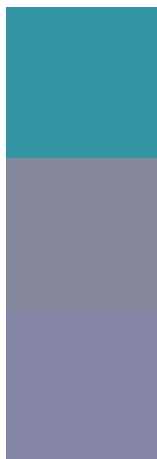


This preview shows how white text looks on a background with the Yxy color 24.8430, 0.2283, 0.3029.

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

24.8430, 0.2283, 0.3029

Protanopia

24.6476, 0.2916, 0.2974

Deuteranopia

24.5516, 0.2795, 0.2741



Tritanopia

24.7462, 0.2290, 0.3064

Trichromacy



Original Color

24.8430, 0.2283, 0.3029

Protanomaly

24.0741, 0.2614, 0.2988

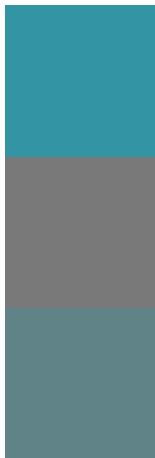
Deuteranomaly

24.1020, 0.2542, 0.2822

Tritanomaly

24.7816, 0.2284, 0.3046

Monochromacy



Original Color

24.8430, 0.2283, 0.3029

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 24.8430, 0.2283, 0.3029 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(51, 149, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 149, 163) }
```

Border

The CSS property to change the border of an element to Yxy 24.8430, 0.2283, 0.3029 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, 163) }
```

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

```
.border{ border-color:rgb(51, 149, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 149, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 149, 163);  
box-shadow:4px 4px 4px 4px rgb(51, 149,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8430, 0.2283, 0.3029 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, 163) }
```

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

```
.background{ background-color: rgb(51, 149,  
163) }
```

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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