

Converting Colors

$Yxy(23.9124, 0.2709, 0.4311)$

Have a look what the booklet for
Yxy(23.9124, 0.2709, 0.4311)
contains.

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Color

Yxy(23.8968, 0.2705, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	369767
RGB	54, 151, 103
RGB Percent	21%, 59%, 40%
CMY	0.7882, 0.4078, 0.5960
CMYK	0.64, 0.00, 0.32, 0.41
HSL	150°, 47%, 40%
HSV	150°, 64%, 59%
XYZ	15.0363, 23.8968, 16.6538
YIQ	116.5250, -42.4040, -35.4920

Conversions

Conversions Part 2

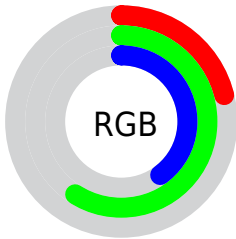
Format	Color
RYB	54, 118, 151
Decimal	3577703
CIELab	55.98, -39.86, 17.15
CIELCh	56, 43.392, 156.716
Yxy	23.8968, 0.2705, 0.4299
Android (android.graphics.Color)	4281767783 (0xFF369767)
YUV	116.5250, -6.6678, -54.8344
Hunter-Lab	48.8844, -30.6431, 14.0202

Details

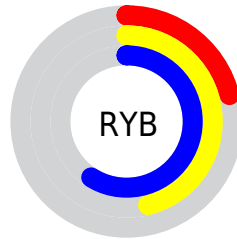
The Yxy color **23.8968, 0.2705, 0.4299** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1769, 0.4087, 0.2524**, and the grayscale version is **17.6659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8552, 0.2809, 0.4063**, and **9.2092, 0.2636, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **23.3995, 0.2684, 0.4489**, and if you desaturate by 10%, it is **24.5392, 0.2743, 0.4112**.

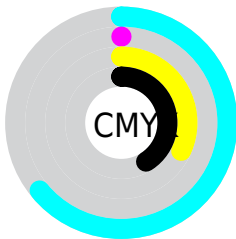
Distribution



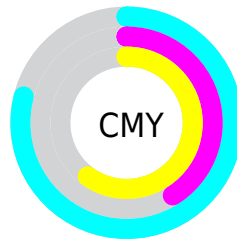
- Red (21%)
- Green (59%)
- Blue (40%)



- Red (21%)
- Yellow (46%)
- Blue (59%)



- Cyan (64%)
- Magenta (0%)
- Yellow (32%)
- Black (41%)





- Cyan (79%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8968, 0.2705, 0.4299 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 23.8968, 0.2705, 0.4299 by changing the saturation by 10% instead.


 23.8968, 0.2705,
0.4299


 23.8968, 0.2705,
0.4299


272.2983, 0.2954,
0.3708


 15.2571, 0.2626,
0.4485


 49.8617, 0.2807,
0.4058


 9.0000, 0.2510,
0.4753


 67.9558, 0.2842,
0.3976

 4.7412, 0.2330,
0.5170

 89.9700, 0.2870,
0.3910

 2.0962, 0.2007,
0.5934

 116.2888, 0.2893,
0.3855

 0.6625, 0.0000,
1.0000

 147.2967, 0.2912,
0.3809

 0.0000, 0.0000,
0.0000

183.3780, 0.2928,

0.3770

224.9171, 0.2942,
0.3737

■ 23.8968, 0.2705,
0.4299

■ 23.8968, 0.2705,
0.4299

■ 23.3995, 0.2684,
0.4489

■ 24.5392, 0.2743,
0.4112

■ 23.0315, 0.2682,
0.4678

■ 25.3349, 0.2796,
0.3933

■ 22.7783, 0.2699,
0.4861

■ 26.2951, 0.2860,
0.3765

■ 22.6600, 0.2712,
0.4963

■ 27.4288, 0.2933,
0.3610

■ 28.7447, 0.3011,
0.3468

■ 30.2504, 0.3092,
0.3340

■ 31.9537, 0.3175,
0.3226

■ 33.8613, 0.3257,
0.3124

■ 35.9801, 0.3337,
0.3035

Harmonies

Analogous

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



23.8968, 0.3422, 0.4679



23.8968, 0.2705, 0.4299



23.8968, 0.2141, 0.3528

Triad

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



23.8968, 0.2705, 0.4299



23.8968, 0.2141, 0.2146



23.8968, 0.4593, 0.3514

Complementary

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



23.8968, 0.2705, 0.4299



10.1769, 0.4087, 0.2524

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.



23.8968, 0.4173, 0.2972



23.8968, 0.2705, 0.4299



23.8968, 0.2691, 0.2225

Square

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



23.8968, 0.2705, 0.4299



23.8968, 0.1858, 0.2319



23.8968, 0.3439, 0.2518



23.8968, 0.4545, 0.4069

Rectangle

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



23.8968, 0.2705, 0.4299



23.8968, 0.1916, 0.3008



23.8968, 0.3439, 0.2518



23.8968, 0.4503, 0.3328

Sweetspot

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



23.8978, 0.2705, 0.4299



50.2233, 0.2970, 0.3539



25.2545, 0.3455, 0.5053



11.2762, 0.2950, 0.3577



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.8978, 0.2705, 0.4299



41.5934, 0.2681, 0.4571



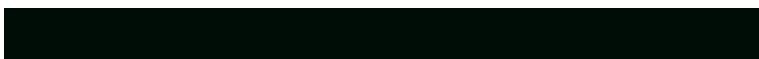
25.1528, 0.2376, 0.3288



6.9750, 0.3051, 0.3402



19.2824, 0.2709, 0.4953



0.2956, 0.2499, 0.4197

Inverse Universe

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



10.1769, 0.4087, 0.2524



15.0270, 0.4425, 0.2446



9.4841, 0.5125, 0.3296



6.2711, 0.3210, 0.3180



6.0317, 0.4935, 0.2492



0.0975, 0.4068, 0.2015

Previews

White Background



This preview shows how the Yxy color 23.8968, 0.2705, 0.4299 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 23.8968, 0.2705, 0.4299 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 23.8968, 0.2705, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 23.8968, 0.2705, 0.4299.



This preview shows how white text looks on a background with the Yxy color 23.8968, 0.2705, 0.4299.

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

23.8968, 0.2705, 0.4299

Protanopia

23.5306, 0.3678, 0.3942

Deuteranopia

23.4896, 0.3690, 0.3620



Tritanopia

23.7245, 0.2408, 0.3064

Trichromacy



Original Color

23.8968, 0.2705, 0.4299

Protanomaly

23.0175, 0.3228, 0.4096

Deuteranomaly

22.5005, 0.3234, 0.3855

Tritanomaly

23.7974, 0.2509, 0.3485

Monochromacy



Original Color

23.8968, 0.2705, 0.4299

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2500, 0.2911, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8968, 0.2705, 0.4299 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(54, 151, 103)` looks like.

```
.text, #text, p{  
    color:rgb(54, 151, 103)  
}
```

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(54, 151, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 151, 103) }
```

Border

The CSS property to change the border of an element to Yxy 23.8968, 0.2705, 0.4299 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(54, 151, 103) }
```

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

```
.border{ border-color:rgb(54, 151, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 151, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 151, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 151, 103);  
box-shadow:4px 4px 4px 4px rgb(54, 151,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8968, 0.2705, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 151, 103) }
```

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

```
.background{ background-color: rgb(54, 151,  
103) }
```

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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