

Converting Colors

$Y_{xy}(21.3929, 0.3423, 0.5004)$

Have a look what the booklet for
Yxy(21.3929, 0.3423, 0.5004)
contains.

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Color

Yxy(21.3929, 0.3423, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	5E8C35
RGB	94, 140, 53
RGB Percent	37%, 55%, 21%
CMY	0.6315, 0.4509, 0.7922
CMYK	0.33, 0.00, 0.62, 0.45
HSL	92°, 45%, 38%
HSV	92°, 62%, 55%
XYZ	14.6339, 21.3929, 6.7248
YIQ	116.3280, 0.5110, -36.8090

Conversions

Conversions Part 2

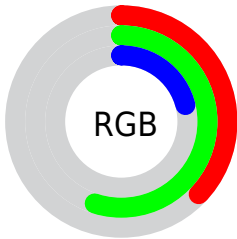
Format	Color
RYB	53, 140, 99
Decimal	6196277
CIELab	53.38, -31.05, 40.56
CIELCh	53, 51.082, 127.439
Yxy	21.3929, 0.3423, 0.5004
Android (android.graphics.Color)	4284386357 (0xFF5E8C35)
YUV	116.3280, -31.2207, -19.5817
Hunter-Lab	46.2525, -24.4660, 23.7563

Details

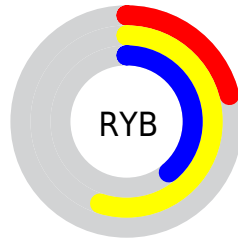
The Yxy color **21.3929, 0.3423, 0.5004** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.0940, 0.2544, 0.1618**, and the grayscale version is **17.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7659, 0.3397, 0.4603**, and **7.6370, 0.3379, 0.5699** is the 20% darker color. If you saturate the color by 10%, you get **20.9104, 0.3427, 0.5256**, and if you desaturate by 10%, it is **21.9525, 0.3400, 0.4724**.

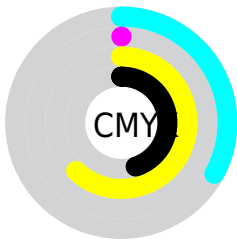
Distribution



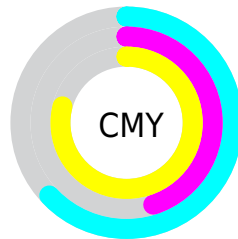
- Red (37%)
- Green (55%)
- Blue (21%)



- Red (21%)
- Yellow (55%)
- Blue (39%)



- Cyan (33%)
- Magenta (0%)
- Yellow (62%)
- Black (45%)





- Cyan (63%)
- Magenta (45%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3929, 0.3423, 0.5004 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 21.3929, 0.3423, 0.5004 by changing the saturation by 10% instead.


 21.3929, 0.3423,
0.5004


 21.3929, 0.3423,
0.5004


259.3592, 0.3307,
0.3997


 13.4115, 0.3422,
0.5306


 45.7405, 0.3397,
0.4599


 7.7125, 0.3387,
0.5719


 62.8755, 0.3382,
0.4459

 3.9115, 0.3414,
0.6586

 83.8305, 0.3367,
0.4345

 1.6242, 0.2857,
0.7143

 108.9899, 0.3352,
0.4251

 0.3738, 0.0000,
1.0000

 138.7381, 0.3339,
0.4172

 0.0000, 0.0000,
0.0000

 173.4594, 0.3328,

0.4105

213.5383, 0.3317,
0.4048

■ 21.3929, 0.3423,
0.5004

■ 21.3929, 0.3423,
0.5004

■ 20.9104, 0.3427,
0.5256

■ 21.9525, 0.3400,
0.4724

■ 20.4978, 0.3412,
0.5467

■ 22.5904, 0.3363,
0.4432

■ 20.1509, 0.3377,
0.5627

■ 23.3112, 0.3315,
0.4139

■ 19.9147, 0.3343,
0.5728

■ 24.1184, 0.3260,
0.3855

■ 25.0149, 0.3201,
0.3588

■ 26.0040, 0.3140,
0.3340

■ 27.0883, 0.3080,
0.3115

■ 28.2707, 0.3022,
0.2911

■ 29.5537, 0.2966,
0.2728

Harmonies

Analogous

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



21.3929, 0.4237, 0.4768



21.3929, 0.3423, 0.5004



21.3929, 0.2576, 0.4536

Triad

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



21.3929, 0.3423, 0.5004



21.3929, 0.1641, 0.2115



21.3929, 0.4421, 0.2909

Complementary

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



21.3929, 0.3423, 0.5004



7.0940, 0.2544, 0.1618

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.



21.3929, 0.3519, 0.2386



21.3929, 0.3423, 0.5004



21.3929, 0.1969, 0.1940

Square

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



21.3929, 0.3423, 0.5004



21.3929, 0.1620, 0.2639



21.3929, 0.2613, 0.2044



21.3929, 0.4912, 0.3529

Rectangle

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



21.3929, 0.3423, 0.5004



21.3929, 0.2110, 0.3891



21.3929, 0.2613, 0.2044



21.3929, 0.4147, 0.2719

Sweetspot

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



21.3938, 0.3423, 0.5004



42.9342, 0.3244, 0.3780



14.5595, 0.4429, 0.4075



9.8035, 0.3259, 0.3850



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.3938, 0.3423, 0.5004



36.5234, 0.3423, 0.5356



19.7862, 0.3027, 0.5198



5.7161, 0.3183, 0.3511



17.7040, 0.3346, 0.5725



0.1262, 0.3690, 0.5452

Inverse Universe

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



7.0940, 0.2544, 0.1618



9.0250, 0.2369, 0.1284



9.9730, 0.3215, 0.1918



5.0139, 0.3068, 0.3070



2.9907, 0.2107, 0.0935



0.0286, 0.2582, 0.1196

Previews

White Background



This preview shows how the Yxy color 21.3929, 0.3423, 0.5004 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 21.3929, 0.3423, 0.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

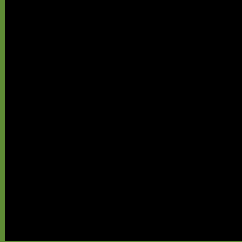
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3929, 0.3423, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 21.3929, 0.3423, 0.5004.



This preview shows how white text looks on a background with the Yxy color 21.3929, 0.3423, 0.5004.

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

21.3929, 0.3423, 0.5004

Protanopia

21.1513, 0.4157, 0.4556

Deuteranopia

21.1586, 0.4326, 0.4251



Tritanopia

21.3114, 0.2760, 0.3085

Trichromacy



Original Color

21.3929, 0.3423, 0.5004

Protanomaly

21.0928, 0.3879, 0.4734

Deuteranomaly

20.8021, 0.3975, 0.4521

Tritanomaly

21.0008, 0.3017, 0.3768

Monochromacy



Original Color

21.3929, 0.3423, 0.5004

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.6457, 0.3277, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3929, 0.3423, 0.5004 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(94, 140, 53)` looks like.

```
.text, #text, p{  
    color:rgb(94, 140, 53)  
}
```

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(94, 140, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 140, 53) }
```

Border

The CSS property to change the border of an element to Yxy 21.3929, 0.3423, 0.5004 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(94, 140, 53) }
```

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

```
.border{ border-color:rgb(94, 140, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 140, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 140, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 140, 53);  
box-shadow:4px 4px 4px 4px rgb(94, 140,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3929, 0.3423, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 140, 53) }
```

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

```
.background{ background-color: rgb(94, 140,  
53) }
```

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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