

Converting Colors

$Y_{xy}(21.8993, 0.3437, 0.5397)$

Have a look what the booklet for
Yxy(21.8993, 0.3437, 0.5397)
contains.

Yxy(21.9715, 0.3432, 0.5404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9715, 0.3432, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	55901E
RGB	85, 144, 30
RGB Percent	33%, 56%, 12%
CMY	0.6667, 0.4353, 0.8824
CMYK	0.41, 0.00, 0.79, 0.44
HSL	91°, 66%, 34%
HSV	91°, 79%, 56%
XYZ	13.9538, 21.9715, 4.7326
YIQ	113.3630, 1.4300, -47.9620

Conversions

Conversions Part 2

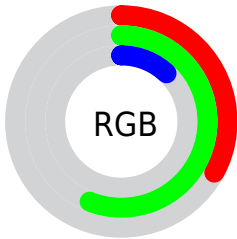
Format	Color
R_{YB}	30, 144, 89
Decimal	5607454
CIE _{Lab}	54.00, -37.94, 50.36
CIE _{LCh}	54, 63.057, 126.993
Yxy	21.9715, 0.3432, 0.5404
Android (android.graphics.Color)	4283797534 (0xFF55901E)
YUV	113.3630, -41.0980, -24.8744
Hunter-Lab	46.8738, -28.8917, 26.8255

Details

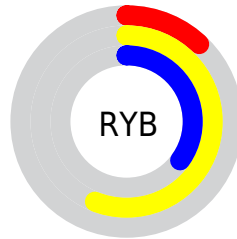
The Yxy color **21.9715, 0.3432, 0.5404** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.0649, 0.2315, 0.1219**, and the grayscale version is **16.7515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6037, 0.3437, 0.4912**, and **8.0899, 0.3195, 0.5846** is the 20% darker color. If you saturate the color by 10%, you get **21.5843, 0.3403, 0.5577**, and if you desaturate by 10%, it is **22.4309, 0.3441, 0.5181**.

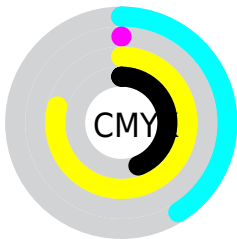
Distribution



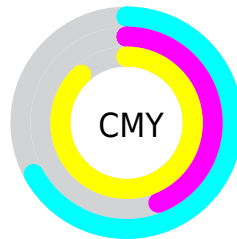
- Red (33%)
- Green (56%)
- Blue (12%)



- Red (12%)
- Yellow (56%)
- Blue (35%)



- Cyan (41%)
- Magenta (0%)
- Yellow (79%)
- Black (44%)





- Cyan (67%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9715, 0.3432, 0.5404 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 21.9715, 0.3432, 0.5404 by changing the saturation by 10% instead.


 21.9715, 0.3432,
0.5404


 21.9715, 0.3432,
0.5404


262.3974, 0.3346,
0.4172


 13.8360, 0.3398,
0.5755


 46.6989, 0.3432,
0.4918

 8.0067, 0.3315,
0.6236


 64.0595, 0.3421,
0.4746


 4.0992, 0.3108,
0.6892

 85.2640, 0.3408,
0.4605

 1.7292, 0.2402,
0.7598

 110.6967, 0.3395,
0.4489

 0.4425, 0.0000,
1.0000

 140.7419, 0.3382,
0.4391

 0.0000, 0.0000,
0.0000

 175.7842, 0.3369,

0.4307

216.2079, 0.3357,
0.4235

■ 21.9715, 0.3432,
0.5404

■ 21.9715, 0.3432,
0.5404

■ 21.5843, 0.3403,
0.5577

■ 22.4309, 0.3441,
0.5181

■ 21.2557, 0.3360,
0.5707

■ 22.9649, 0.3429,
0.4921

■ 21.2304, 0.3356,
0.5717

■ 23.5789, 0.3400,
0.4638

■ 24.2771, 0.3358,
0.4344

■ 25.0632, 0.3305,
0.4054

■ 25.9406, 0.3246,
0.3775

■ 26.9127, 0.3185,
0.3513

■ 27.9826, 0.3122,
0.3271

■ 29.1532, 0.3061,
0.3051

Harmonies

Analogous

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



21.9715, 0.4396, 0.4997



21.9715, 0.3432, 0.5404



21.9715, 0.2443, 0.4879

Triad

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



21.9715, 0.3432, 0.5404



21.9715, 0.1396, 0.1897



21.9715, 0.4691, 0.2803

Complementary

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



21.9715, 0.3432, 0.5404



5.0649, 0.2315, 0.1219

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.



21.9715, 0.3571, 0.2216



21.9715, 0.3432, 0.5404



21.9715, 0.1755, 0.1713

Square

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



21.9715, 0.3432, 0.5404



21.9715, 0.1366, 0.2486



21.9715, 0.2485, 0.1833



21.9715, 0.5279, 0.3495

Rectangle

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



21.9715, 0.3432, 0.5404



21.9715, 0.1904, 0.4044



21.9715, 0.2485, 0.1833



21.9715, 0.4349, 0.2591

Sweetspot

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



21.9725, 0.3432, 0.5404



44.9080, 0.3278, 0.3921



13.1506, 0.4871, 0.4187



10.1867, 0.3297, 0.4012



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.9725, 0.3432, 0.5404



37.6149, 0.3368, 0.5674



20.3269, 0.3007, 0.5676



6.1490, 0.3185, 0.3512



18.5009, 0.3360, 0.5714



0.1899, 0.3703, 0.5441

Inverse Universe

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



5.0649, 0.2315, 0.1219



6.5100, 0.2111, 0.0959



8.8135, 0.3234, 0.1691



5.3836, 0.3066, 0.3068



3.0533, 0.2082, 0.0921



0.0423, 0.2564, 0.1186

Previews

White Background



This preview shows how the Yxy color 21.9715, 0.3432, 0.5404 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 21.9715, 0.3432, 0.5404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

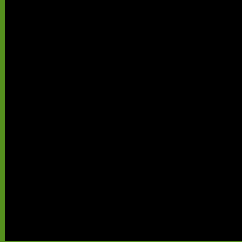
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9715, 0.3432, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 21.9715, 0.3432, 0.5404.



This preview shows how white text looks on a background with the Yxy color 21.9715, 0.3432, 0.5404.

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

21.9715, 0.3432, 0.5404

Protanopia

21.7948, 0.4318, 0.4774

Deuteranopia

21.6493, 0.4524, 0.4444



Tritanopia

21.8612, 0.2681, 0.3085

Trichromacy



Original Color

21.9715, 0.3432, 0.5404

Protanomaly

21.3403, 0.3975, 0.5022

Deuteranomaly

21.0792, 0.4100, 0.4808

Tritanomaly

21.5891, 0.3011, 0.3999

Monochromacy



Original Color

21.9715, 0.3432, 0.5404

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.9234, 0.3327, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9715, 0.3432, 0.5404 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(85, 144, 30)` looks like.

```
.text, #text, p{  
    color:rgb(85, 144, 30)  
}
```

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(85, 144, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 144, 30) }
```

Border

The CSS property to change the border of an element to Yxy 21.9715, 0.3432, 0.5404 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(85, 144, 30) }
```

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

```
.border{ border-color:rgb(85, 144, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 144, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 144, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 144, 30);  
box-shadow:4px 4px 4px 4px rgb(85, 144,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9715, 0.3432, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 144, 30) }
```

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

```
.background{ background-color: rgb(85, 144,  
30) }
```

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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