

Converting Colors

$Y_{xy}(21.8570, 0.3216, 0.5684)$

Have a look what the booklet for
Yxy(21.8570, 0.3216, 0.5684)
contains.

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Color

Yxy(21.8478, 0.3216, 0.5684)

Conversions

Conversions Part 1

Format	Color
Hex	3B9314
RGB	59, 147, 20
RGB Percent	23%, 58%, 8%
CMY	0.7688, 0.4235, 0.9215
CMYK	0.60, 0.00, 0.86, 0.42
HSL	102°, 76%, 33%
HSV	102°, 86%, 58%
XYZ	12.3615, 21.8478, 4.2281
YIQ	106.2100, -11.6810, -58.1530

Conversions

Conversions Part 2

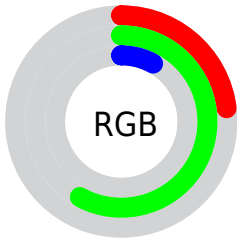
Format	Color
R_{YB}	20, 147, 108
Decimal	3904276
CIE _{Lab}	53.87, -47.82, 52.73
CIE _{LCh}	54, 71.182, 132.202
Yxy	21.8478, 0.3216, 0.5684
Android (android.graphics.Color)	4282094356 (0xFF3B9314)
YUV	106.2100, -42.5015, -41.4032
Hunter-Lab	46.7416, -34.5911, 27.3559

Details

The Yxy color **21.8478, 0.3216, 0.5684** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.8014, 0.2567, 0.1272**, and the grayscale version is **14.5926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5730, 0.3277, 0.5116**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.5284, 0.3173, 0.5828**, and if you desaturate by 10%, it is **22.2601, 0.3249, 0.5479**.

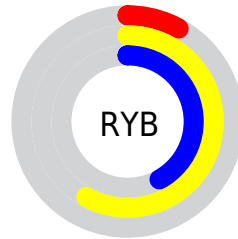
Distribution



Red (23%)

Green (58%)

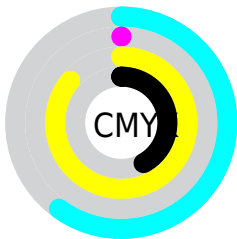
Blue (8%)



Red (8%)

Yellow (58%)

Blue (42%)

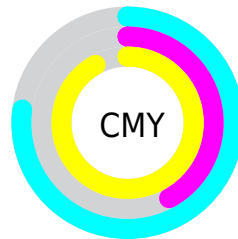


Cyan (60%)

Magenta (0%)

Yellow (86%)

Black (42%)



Cyan (77%)


Magenta (42%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8478, 0.3216, 0.5684 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 21.8478, 0.3216, 0.5684 by changing the saturation by 10% instead.


 21.8478, 0.3216,
0.5684


 21.8478, 0.3216,
0.5684


261.7504, 0.3271,
0.4270


 13.7451, 0.3131,
0.6093


 46.4943, 0.3278,
0.5121


 7.9436, 0.2985,
0.6682


 63.8069, 0.3287,
0.4923


 4.0589, 0.2633,
0.7367

 84.9583, 0.3289,
0.4762

 1.7066, 0.1460,
0.8540

 110.3328, 0.3288,
0.4629


 0.4279, 0.0000,
1.0000


 140.3149, 0.3285,
0.4518

 0.0000, 0.0000,
0.0000

 175.2889, 0.3281,


0.4423


 215.6393, 0.3276,
0.4341

 21.8478, 0.3216,
0.5684


 21.8478, 0.3216,
0.5684


 21.5284, 0.3173,
0.5828


 22.2601, 0.3249,
0.5479

 21.4292, 0.3158,
0.5875

 22.7720, 0.3267,
0.5221

 23.3918, 0.3271,
0.4925

 24.1256, 0.3262,
0.4612

 24.9795, 0.3243,
0.4296

■ 25.9588, 0.3216,
0.3992

■ 27.0686, 0.3184,
0.3706

■ 28.3136, 0.3150,
0.3444

■ 29.6983, 0.3114,
0.3207

Harmonies

Analogous

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



21.8478, 0.4296, 0.5271



21.8478, 0.3216, 0.5684



21.8478, 0.2167, 0.4899

Triad

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



21.8478, 0.3216, 0.5684



21.8478, 0.1283, 0.1691



21.8478, 0.5062, 0.2855

Complementary

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



21.8478, 0.3216, 0.5684



5.8014, 0.2567, 0.1272

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.



21.8478, 0.3850, 0.2203



21.8478, 0.3216, 0.5684



21.8478, 0.1726, 0.1569

Square

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



21.8478, 0.3216, 0.5684



21.8478, 0.1185, 0.2221



21.8478, 0.2588, 0.1750



21.8478, 0.5546, 0.3596

Rectangle

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



21.8478, 0.3216, 0.5684



21.8478, 0.1636, 0.3864



21.8478, 0.2588, 0.1750



21.8478, 0.4710, 0.2623

Sweetspot

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



21.8487, 0.3216, 0.5684



46.4542, 0.3217, 0.3996



16.7273, 0.4689, 0.4509



10.4738, 0.3226, 0.4090



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.8487, 0.3216, 0.5684



38.2891, 0.3145, 0.5885



21.1956, 0.2925, 0.5552



6.5495, 0.3160, 0.3515



18.5876, 0.3162, 0.5872



0.2416, 0.3483, 0.5616

Inverse Universe

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



5.8014, 0.2567, 0.1272



8.7288, 0.2445, 0.1121



8.1533, 0.3634, 0.1863



5.8209, 0.3091, 0.3069



4.2856, 0.2464, 0.1131



0.0680, 0.2827, 0.1331

Previews

White Background



This preview shows how the Yxy color 21.8478, 0.3216, 0.5684 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 21.8478, 0.3216, 0.5684 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 21.8478, 0.3216, 0.5684

Background



This preview shows how black text looks on a background with the Yxy color 21.8478, 0.3216, 0.5684.



This preview shows how white text looks on a background with the Yxy color 21.8478, 0.3216, 0.5684.

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

21.8478, 0.3216, 0.5684

Protanopia

21.3993, 0.4364, 0.4838

Deuteranopia

21.3792, 0.4565, 0.4465



Tritanopia

21.8684, 0.2514, 0.3079

Trichromacy



Original Color

21.8478, 0.3216, 0.5684

Protanomaly

20.8761, 0.3878, 0.5200

Deuteranomaly

20.3441, 0.4016, 0.4943

Tritanomaly

21.4452, 0.2836, 0.4138

Monochromacy



Original Color

21.8478, 0.3216, 0.5684

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.3066, 0.3244, 0.4326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8478, 0.3216, 0.5684 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(59, 147, 20)` looks like.

```
.text, #text, p{  
    color:rgb(59, 147, 20)  
}
```

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(59, 147, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 147, 20) }
```

Border

The CSS property to change the border of an element to Yxy 21.8478, 0.3216, 0.5684 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(59, 147, 20) }
```

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

```
.border{ border-color:rgb(59, 147, 20) }
```

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

Here you see how a box with a 4 pixel rgb(59, 147, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 147, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 147, 20);  
box-shadow:4px 4px 4px 4px rgb(59, 147,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8478, 0.3216, 0.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 147, 20) }
```

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

```
.background{ background-color: rgb(59, 147,  
20) }
```

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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