

Converting Colors

$Y_{xy}(21.8792, 0.3089, 0.5605)$

Have a look what the booklet for
Yxy(21.8792, 0.3089, 0.5605)
contains.

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Color

Yxy(21.9237, 0.3092, 0.5603)

Conversions

Conversions Part 1

Format	Color
Hex	309422
RGB	48, 148, 34
RGB Percent	19%, 58%, 13%
CMY	0.8116, 0.4196, 0.8667
CMYK	0.68, 0.00, 0.77, 0.42
HSL	113°, 63%, 36%
HSV	113°, 77%, 58%
XYZ	12.0985, 21.9237, 5.1063
YIQ	105.1040, -23.0060, -56.6540

Conversions

Conversions Part 2

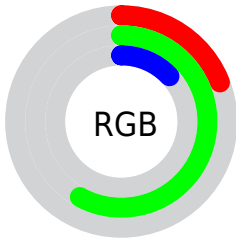
Format	Color
R_{YB}	34, 148, 134
Decimal	3183650
CIE Lab	53.95, -49.97, 48.47
CIE LCh	54, 69.620, 135.873
Yxy	21.9237, 0.3092, 0.5603
Android (android.graphics.Color)	4281373730 (0xFF309422)
YUV	105.1040, -35.0543, -50.0802
Hunter-Lab	46.8228, -35.8172, 26.3100

Details

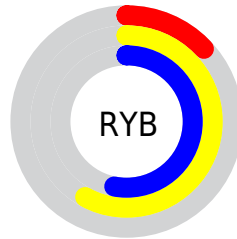
The Yxy color **21.9237, 0.3092, 0.5603** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.3464, 0.2977, 0.1578**, and the grayscale version is **14.2603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5881, 0.3170, 0.5047**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.5860, 0.3067, 0.5806**, and if you desaturate by 10%, it is **22.3924, 0.3113, 0.5335**.

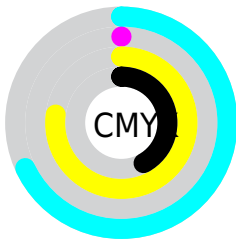
Distribution



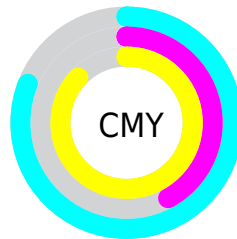
- Red (19%)
- Green (58%)
- Blue (13%)



- Red (13%)
- Yellow (58%)
- Blue (53%)



- Cyan (68%)
- Magenta (0%)
- Yellow (77%)
- Black (42%)




- Cyan (81%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9237, 0.3092, 0.5603 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 21.9237, 0.3092, 0.5603 by changing the saturation by 10% instead.


 21.9237, 0.3092,
0.5603


 21.9237, 0.3092,
0.5603


262.1476, 0.3203,
0.4223


 13.8008, 0.3001,
0.6018


 46.6199, 0.3170,
0.5045


 7.9823, 0.2834,
0.6586


 63.9620, 0.3186,
0.4852

 4.0836, 0.2536,
0.7464

 85.1459, 0.3195,
0.4696

 1.7204, 0.1258,
0.8742

 110.5561, 0.3200,
0.4568

 0.4368, 0.0000,
1.0000

 140.5770, 0.3203,
0.4460

 0.0000, 0.0000,
0.0000

 175.5930, 0.3204,

0.4369

215.9883, 0.3203,
0.4291

■ 21.9237, 0.3092,
0.5603

■ 21.9237, 0.3092,
0.5603

■ 21.5860, 0.3067,
0.5806

■ 22.3924, 0.3113,
0.5335

■ 21.3611, 0.3042,
0.5937

■ 23.0008, 0.3128,
0.5022

■ 21.3108, 0.3038,
0.5970

■ 23.7602, 0.3138,
0.4687

■ 24.6797, 0.3142,
0.4351

■ 25.7678, 0.3142,
0.4029

■ 27.0325, 0.3138,
0.3731

■ 28.4811, 0.3132,
0.3461

■ 30.1207, 0.3125,
0.3222

■ 31.9578, 0.3116,
0.3012

Harmonies

Analogous

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



21.9237, 0.4163, 0.5327



21.9237, 0.3092, 0.5603



21.9237, 0.2081, 0.4685

Triad

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



21.9237, 0.3092, 0.5603



21.9237, 0.1347, 0.1686



21.9237, 0.5125, 0.2954

Complementary

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



21.9237, 0.3092, 0.5603



8.3464, 0.2977, 0.1578

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.



21.9237, 0.3997, 0.2294



21.9237, 0.3092, 0.5603



21.9237, 0.1831, 0.1603

Square

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



21.9237, 0.3092, 0.5603



21.9237, 0.1210, 0.2154



21.9237, 0.2735, 0.1816



21.9237, 0.5495, 0.3697

Rectangle

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



21.9237, 0.3092, 0.5603



21.9237, 0.1593, 0.3666



21.9237, 0.2735, 0.1816



21.9237, 0.4810, 0.2721

Sweetspot

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



21.9246, 0.3092, 0.5603



46.2268, 0.3141, 0.3919



23.1315, 0.4269, 0.4733



10.3910, 0.3142, 0.4021



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.



21.9246, 0.3092, 0.5603



37.7989, 0.3049, 0.5900



22.0389, 0.2790, 0.4900



6.5006, 0.3134, 0.3517



18.2098, 0.3040, 0.5968



0.2295, 0.3212, 0.5831

Inverse Universe

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



8.3464, 0.2977, 0.1578



12.6218, 0.2925, 0.1415



8.4841, 0.4010, 0.2210



5.8733, 0.3119, 0.3071



5.8724, 0.2908, 0.1375



0.0801, 0.3066, 0.1463

Previews

White Background



This preview shows how the Yxy color 21.9237, 0.3092, 0.5603 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 21.9237, 0.3092, 0.5603 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 21.9237, 0.3092, 0.5603

Background



This preview shows how black text looks on a background with the Yxy color 21.9237, 0.3092, 0.5603.



This preview shows how white text looks on a background with the Yxy color 21.9237, 0.3092, 0.5603.

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

21.9237, 0.3092, 0.5603

Protanopia

21.4563, 0.4304, 0.4749

Deuteranopia

21.5821, 0.4475, 0.4404



Tritanopia

21.8834, 0.2460, 0.3077

Trichromacy



Original Color

21.9237, 0.3092, 0.5603

Protanomaly

20.6781, 0.3769, 0.5121

Deuteranomaly

20.3146, 0.3875, 0.4882

Tritanomaly

21.5658, 0.2727, 0.4035

Monochromacy



Original Color

21.9237, 0.3092, 0.5603

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.1241, 0.3140, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9237, 0.3092, 0.5603 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(48, 148, 34)` looks like.

```
.text, #text, p{  
    color:rgb(48, 148, 34)  
}
```

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(48, 148, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 148, 34) }
```

Border

The CSS property to change the border of an element to Yxy 21.9237, 0.3092, 0.5603 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(48, 148, 34) }
```

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

```
.border{ border-color:rgb(48, 148, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 148, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 148, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 148, 34);  
box-shadow:4px 4px 4px 4px rgb(48, 148,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9237, 0.3092, 0.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 148, 34) }
```

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

```
.background{ background-color: rgb(48, 148,  
34) }
```

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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