

Converting Colors

$Y_{xy}(21.1409, 0.3043, 0.5093)$

Have a look what the booklet for
Yxy(21.1409, 0.3043, 0.5093)
contains.

Yxy(21.2334, 0.3042, 0.5105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.2334, 0.3042, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	3C903C
RGB	60, 144, 60
RGB Percent	24%, 56%, 24%
CMY	0.7647, 0.4353, 0.7647
CMYK	0.58, 0.00, 0.58, 0.44
HSL	120°, 41%, 40%
HSV	120°, 58%, 56%
XYZ	12.6527, 21.2334, 7.7072
YIQ	109.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

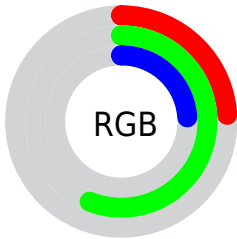
Format	Color
R_{YB}	60, 144, 144
Decimal	3969084
CIE _{Lab}	53.20, -42.99, 36.58
CIE _{LCh}	53, 56.452, 139.604
Yxy	21.2334, 0.3042, 0.5105
Android (android.graphics.Color)	4282159164 (0xFF3C903C)
YUV	109.3080, -24.3088, -43.2431
Hunter-Lab	46.0797, -31.6265, 22.3390

Details

The Yxy color **21.2334, 0.3042, 0.5105** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.1755, 0.3189, 0.1964**, and the grayscale version is **15.4614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6856, 0.3103, 0.4657**, and **7.6740, 0.2962, 0.5864** is the 20% darker color. If you saturate the color by 10%, you get **20.7130, 0.3027, 0.5420**, and if you desaturate by 10%, it is **21.9191, 0.3058, 0.4761**.

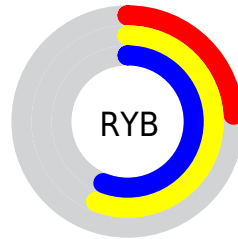
Distribution



Red (24%)

Green (56%)

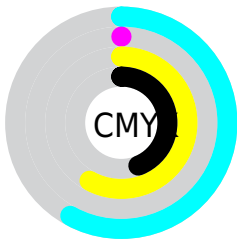
Blue (24%)



Red (24%)

Yellow (56%)

Blue (56%)

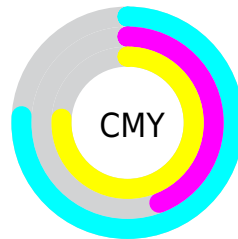


Cyan (58%)

Magenta (0%)

Yellow (58%)

Black (44%)



Cyan (76%)


Magenta (44%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2334, 0.3042, 0.5105 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 21.2334, 0.3042, 0.5105 by changing the saturation by 10% instead.


 21.2334, 0.3042,
0.5105


 21.2334, 0.3042,
0.5105


258.5163, 0.3142,
0.4013


 13.2947, 0.2980,
0.5452

 45.4757, 0.3100,
0.4656

 7.6318, 0.2864,
0.5945


 62.5480, 0.3115,
0.4503


 3.8603, 0.2706,
0.6869


 83.4337, 0.3124,
0.4381

 1.5957, 0.1756,
0.8244

 108.5172, 0.3130,
0.4281

 0.3547, 0.0000,
1.0000

 138.1828, 0.3135,
0.4197

 0.0000, 0.0000,
0.0000

 172.8149, 0.3138,

0.4126

212.7979, 0.3140,
0.4066

■ 21.2334, 0.3042,
0.5105

■ 21.2334, 0.3042,
0.5105

■ 20.7130, 0.3027,
0.5420

■ 21.9191, 0.3058,
0.4761

■ 20.3417, 0.3015,
0.5681

■ 22.7794, 0.3074,
0.4413

■ 20.1044, 0.3006,
0.5867

■ 23.8264, 0.3090,
0.4079

■ 19.9679, 0.3001,
0.5982

■ 25.0699, 0.3105,
0.3771

■ 19.9471, 0.3000,
0.6000

■ 26.5194, 0.3118,
0.3495

■ 28.1835, 0.3129,
0.3252

■ 30.0706, 0.3139,
0.3040

■ 32.1884, 0.3147,
0.2857

■ 34.5444, 0.3155,
0.2700

Harmonies

Analogous

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



21.2334, 0.3971, 0.5086



21.2334, 0.3042, 0.5105



21.2334, 0.2185, 0.4264

Triad

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



21.2334, 0.3042, 0.5105



21.2334, 0.1621, 0.1893



21.2334, 0.4854, 0.3122

Complementary

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



21.2334, 0.3042, 0.5105



11.1755, 0.3189, 0.1964

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.



21.2334, 0.3987, 0.2514



21.2334, 0.3042, 0.5105



21.2334, 0.2104, 0.1841

Square

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



21.2334, 0.3042, 0.5105



21.2334, 0.1465, 0.2282



21.2334, 0.2934, 0.2061



21.2334, 0.5114, 0.3803

Rectangle

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



21.2334, 0.3042, 0.5105



21.2334, 0.1777, 0.3473



21.2334, 0.2934, 0.2061



21.2334, 0.4618, 0.2908

Sweetspot

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



21.2343, 0.3042, 0.5105



44.4506, 0.3106, 0.3743



26.2029, 0.3935, 0.4625



10.0977, 0.3104, 0.3794



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.



21.2343, 0.3042, 0.5105



36.3014, 0.3023, 0.5508



21.8674, 0.2730, 0.4194



6.0294, 0.3117, 0.3517



17.3698, 0.3000, 0.6000



0.1661, 0.3000, 0.6000

Inverse Universe

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



11.1755, 0.3189, 0.1964



16.8227, 0.3199, 0.1760



10.1212, 0.3944, 0.2572



5.5110, 0.3137, 0.3073



6.9168, 0.3209, 0.1542



0.0661, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.2334, 0.3042, 0.5105 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 21.2334, 0.3042, 0.5105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

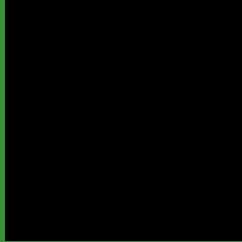
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2334, 0.3042, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 21.2334, 0.3042, 0.5105.



This preview shows how white text looks on a background with the Yxy color 21.2334, 0.3042, 0.5105.

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

21.2334, 0.3042, 0.5105

Protanopia

20.7730, 0.4091, 0.4481

Deuteranopia

20.8068, 0.4227, 0.4140



Tritanopia

21.1087, 0.2500, 0.3076

Trichromacy



Original Color

21.2334, 0.3042, 0.5105



Protanomaly

20.4500, 0.3636, 0.4742



Deuteranomaly

20.0637, 0.3718, 0.4515



Tritanomaly

20.8312, 0.2704, 0.3773

Monochromacy



Original Color

21.2334, 0.3042, 0.5105



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

16.8985, 0.3095, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2334, 0.3042, 0.5105 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(60, 144, 60)` looks like.

```
.text, #text, p{  
    color:rgb(60, 144, 60)  
}
```

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(60, 144, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 144, 60) }
```

Border

The CSS property to change the border of an element to Yxy 21.2334, 0.3042, 0.5105 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(60, 144, 60) }
```

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

```
.border{ border-color:rgb(60, 144, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 144, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 144, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 144, 60);  
box-shadow:4px 4px 4px 4px rgb(60, 144,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2334, 0.3042, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 144, 60) }
```

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

```
.background{ background-color: rgb(60, 144,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor