

Converting Colors

$Y_{xy}(21.2402, 0.3170, 0.5259)$

Have a look what the booklet for
Yxy(21.2402, 0.3170, 0.5259)
contains.

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Color

Yxy(21.3616, 0.3167, 0.5267)

Conversions

Conversions Part 1

Format	Color
Hex	439031
RGB	67, 144, 49
RGB Percent	26%, 56%, 19%
CMY	0.7371, 0.4353, 0.8079
CMYK	0.53, 0.00, 0.66, 0.44
HSL	109°, 49%, 38%
HSV	109°, 66%, 56%
XYZ	12.8445, 21.3616, 6.3513
YIQ	110.1470, -15.3970, -45.8690

Conversions

Conversions Part 2

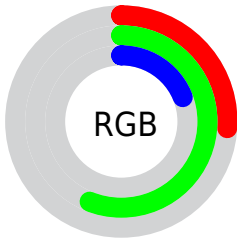
Format	Color
R_{YB}	49, 144, 126
Decimal	4427825
CIE _{Lab}	53.34, -42.31, 41.99
CIE _{LCh}	53, 59.610, 135.215
Yxy	21.3616, 0.3167, 0.5267
Android (android.graphics.Color)	4282617905 (0xFF439031)
YUV	110.1470, -30.1455, -37.8399
Hunter-Lab	46.2186, -31.2759, 24.2055

Details

The Yxy color **21.3616, 0.3167, 0.5267** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.6418, 0.2908, 0.1706**, and the grayscale version is **15.7323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9045, 0.3205, 0.4784**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.8879, 0.3146, 0.5538**, and if you desaturate by 10%, it is **21.9590, 0.3179, 0.4957**.

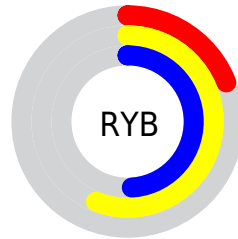
Distribution



Red (26%)

Green (56%)

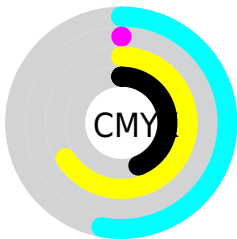
Blue (19%)



Red (19%)

Yellow (56%)

Blue (49%)

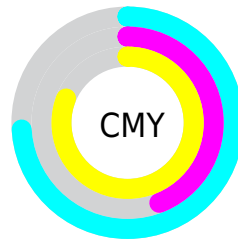


Cyan (53%)

Magenta (0%)

Yellow (66%)

Black (44%)



Cyan (74%)


Magenta (44%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3616, 0.3167, 0.5267 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 21.3616, 0.3167, 0.5267 by changing the saturation by 10% instead.


 21.3616, 0.3167,
0.5267


 21.3616, 0.3167,
0.5267


259.1940, 0.3209,
0.4086


 13.3886, 0.3112,
0.5632


 45.6886, 0.3208,
0.4786

 7.6967, 0.2998,
0.6135


 62.8113, 0.3215,
0.4621

 3.9015, 0.2866,
0.7134

 83.7527, 0.3217,
0.4488

 1.6186, 0.1865,
0.8135

 108.8972, 0.3217,
0.4379

 0.3701, 0.0000,
1.0000

 138.6292, 0.3216,
0.4287

 0.0000, 0.0000,
0.0000

 173.3331, 0.3214,

0.4210

213.3932, 0.3212,
0.4144

■ 21.3616, 0.3167,
0.5267

■ 21.3616, 0.3167,
0.5267

■ 20.8879, 0.3146,
0.5538

■ 21.9590, 0.3179,
0.4957

■ 20.5263, 0.3117,
0.5750

■ 22.6855, 0.3182,
0.4629

■ 20.2665, 0.3083,
0.5893

■ 23.5490, 0.3178,
0.4302

■ 20.1838, 0.3072,
0.5943

■ 24.5564, 0.3168,
0.3988

■ 25.7138, 0.3154,
0.3698

■ 27.0273, 0.3138,
0.3434

■ 28.5022, 0.3120,
0.3199

■ 30.1439, 0.3102,
0.2991

■ 31.9575, 0.3083,
0.2808

Harmonies

Analogous

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



21.3616, 0.4125, 0.5099



21.3616, 0.3167, 0.5267



21.3616, 0.2248, 0.4497

Triad

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



21.3616, 0.3167, 0.5267



21.3616, 0.1517, 0.1867



21.3616, 0.4845, 0.3006

Complementary

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



21.3616, 0.3167, 0.5267



8.6418, 0.2908, 0.1706

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.



21.3616, 0.3866, 0.2397



21.3616, 0.3167, 0.5267



21.3616, 0.1962, 0.1771

Square

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



21.3616, 0.3167, 0.5267



21.3616, 0.1402, 0.2323



21.3616, 0.2772, 0.1961



21.3616, 0.5215, 0.3699

Rectangle

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



21.3616, 0.3167, 0.5267



21.3616, 0.1790, 0.3659



21.3616, 0.2772, 0.1961



21.3616, 0.4567, 0.2790

Sweetspot

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



21.3625, 0.3167, 0.5267



44.4156, 0.3161, 0.3823



20.8175, 0.4205, 0.4515



10.0687, 0.3164, 0.3897



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.



21.3625, 0.3167, 0.5267



36.5224, 0.3133, 0.5644



21.1417, 0.2845, 0.4776



6.0756, 0.3143, 0.3515



17.5852, 0.3075, 0.5940



0.1754, 0.3317, 0.5749

Inverse Universe

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



8.6418, 0.2908, 0.1706



12.2994, 0.2837, 0.1469



9.3748, 0.3704, 0.2209



5.4600, 0.3109, 0.3071



5.0350, 0.2744, 0.1286



0.0568, 0.2983, 0.1417

Previews

White Background



This preview shows how the Yxy color 21.3616, 0.3167, 0.5267 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 21.3616, 0.3167, 0.5267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

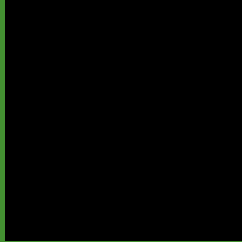
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3616, 0.3167, 0.5267

Background



This preview shows how black text looks on a background with the Yxy color 21.3616, 0.3167, 0.5267.



This preview shows how white text looks on a background with the Yxy color 21.3616, 0.3167, 0.5267.

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

21.3616, 0.3167, 0.5267

Protanopia

21.1114, 0.4196, 0.4614

Deuteranopia

21.1383, 0.4345, 0.4276



Tritanopia

21.3817, 0.2547, 0.3078

Trichromacy



Original Color

21.3616, 0.3167, 0.5267

Protanomaly

20.6172, 0.3772, 0.4875

Deuteranomaly

20.2519, 0.3860, 0.4646

Tritanomaly

20.9869, 0.2788, 0.3854

Monochromacy



Original Color

21.3616, 0.3167, 0.5267

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.0033, 0.3164, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3616, 0.3167, 0.5267 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(67, 144, 49)` looks like.

```
.text, #text, p{  
    color:rgb(67, 144, 49)  
}
```

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(67, 144, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 144, 49) }
```

Border

The CSS property to change the border of an element to Yxy 21.3616, 0.3167, 0.5267 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(67, 144, 49) }
```

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

```
.border{ border-color:rgb(67, 144, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 144, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 144, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 144, 49);  
box-shadow:4px 4px 4px 4px rgb(67, 144,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3616, 0.3167, 0.5267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 144, 49) }
```

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

```
.background{ background-color: rgb(67, 144,  
49) }
```

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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