

Converting Colors

$Yxy(21.9256, 0.3085, 0.4367)$

Have a look what the booklet for
Yxy(21.9256, 0.3085, 0.4367)
contains.

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Color

Yxy(21.9447, 0.3087, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	5A8D59
RGB	90, 141, 89
RGB Percent	35%, 55%, 35%
CMY	0.6470, 0.4470, 0.6510
CMYK	0.36, 0.00, 0.37, 0.45
HSL	119°, 23%, 45%
HSV	119°, 37%, 55%
XYZ	15.5446, 21.9447, 12.8657
YIQ	119.8230, -13.7040, -26.9840

Conversions

Conversions Part 2

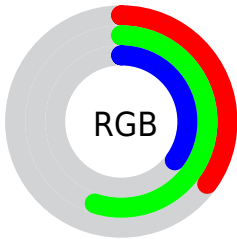
Format	Color
R_{YB}	89, 141, 140
Decimal	5934425
CIE _{Lab}	53.97, -28.15, 22.49
CIE _{LCh}	54, 36.037, 141.378
Yxy	21.9447, 0.3087, 0.4358
Android (android.graphics.Color)	4284124505 (0xFF5A8D59)
YUV	119.8230, -15.1957, -26.1548
Hunter-Lab	46.8452, -22.7476, 16.5080

Details

The Yxy color **21.9447, 0.3087, 0.4358** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6412, 0.3154, 0.2406**, and the grayscale version is **18.7762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6451, 0.3112, 0.4108**, and **7.9306, 0.3029, 0.4853** is the 20% darker color. If you saturate the color by 10%, you get **21.1010, 0.3072, 0.4703**, and if you desaturate by 10%, it is **22.9646, 0.3100, 0.4030**.

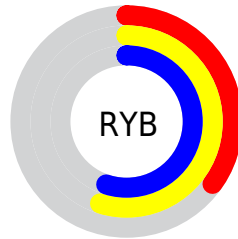
Distribution



Red (35%)

Green (55%)

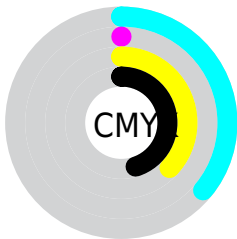
Blue (35%)



Red (35%)

Yellow (55%)

Blue (55%)

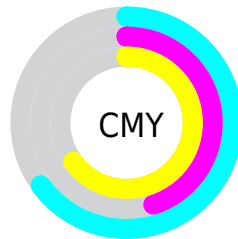


Cyan (36%)

Magenta (0%)

Yellow (37%)

Black (45%)



Cyan (65%)


Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9447, 0.3087, 0.4358 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 21.9447, 0.3087, 0.4358 by changing the saturation by 10% instead.


 21.9447, 0.3087,
0.4358

 21.9447, 0.3087,
0.4358


262.2573, 0.3127,
0.3728


 13.8163, 0.3065,
0.4558


 46.6546, 0.3109,
0.4101

 7.9930, 0.3025,
0.4846


 64.0048, 0.3114,
0.4013

 4.0905, 0.2945,
0.5293

 85.1978, 0.3118,
0.3943

 1.7243, 0.2989,
0.6586

 110.6179, 0.3121,
0.3884

 0.4393, 0.0000,
1.0000

 140.6495, 0.3123,
0.3836

 0.0000, 0.0000,
0.0000

175.6770, 0.3125,

0.3795

216.0848, 0.3126,
0.3759

■ 21.9447, 0.3087,
0.4358

■ 21.9447, 0.3087,
0.4358

■ 21.1010, 0.3072,
0.4703

■ 22.9646, 0.3100,
0.4030

■ 20.4209, 0.3057,
0.5046

■ 24.1670, 0.3112,
0.3728

■ 19.8946, 0.3042,
0.5366


■ 25.5611, 0.3121,
0.3457


■ 19.5102, 0.3027,
0.5637


■ 27.1548, 0.3130,
0.3219


■ 19.2539, 0.3015,
0.5837

■ 28.9555, 0.3136,
0.3012

 19.1057, 0.3007,
0.5961

 30.9703, 0.3142,
0.2833

 19.0683, 0.3006,
0.5995

 33.2059, 0.3147,
0.2678

 35.6687, 0.3150,
0.2546

 38.3648, 0.3154,
0.2431

Harmonies

Analogous

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



21.9447, 0.3711, 0.4462



21.9447, 0.3087, 0.4358



21.9447, 0.2506, 0.3845

Triad

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



21.9447, 0.3087, 0.4358



21.9447, 0.2110, 0.2344



21.9447, 0.4242, 0.3252

Complementary

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



21.9447, 0.3087, 0.4358



14.6412, 0.3154, 0.2406

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.



21.9447, 0.3721, 0.2801



21.9447, 0.3087, 0.4358



21.9447, 0.2481, 0.2297

Square

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



21.9447, 0.3087, 0.4358



21.9447, 0.1984, 0.2634



21.9447, 0.3059, 0.2463



21.9447, 0.4417, 0.3745

Rectangle

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



21.9447, 0.3087, 0.4358



21.9447, 0.2219, 0.3393



21.9447, 0.3059, 0.2463



21.9447, 0.4099, 0.3093

Sweetspot

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



21.9456, 0.3087, 0.4358



44.6449, 0.3117, 0.3571



24.9273, 0.3671, 0.4149



9.9067, 0.3116, 0.3602



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.9456, 0.3087, 0.4358



38.0570, 0.3075, 0.4635



22.3722, 0.2861, 0.3847



6.0341, 0.3119, 0.3517



17.3868, 0.3006, 0.5995



0.1670, 0.3035, 0.5972

Inverse Universe

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



14.6412, 0.3154, 0.2406



23.0562, 0.3159, 0.2224



14.0845, 0.3525, 0.2796



5.5058, 0.3134, 0.3073



6.7008, 0.3162, 0.1516



0.0652, 0.3187, 0.1530

Previews

White Background



This preview shows how the Yxy color 21.9447, 0.3087, 0.4358 looks on a white background.

Color Contrast Check

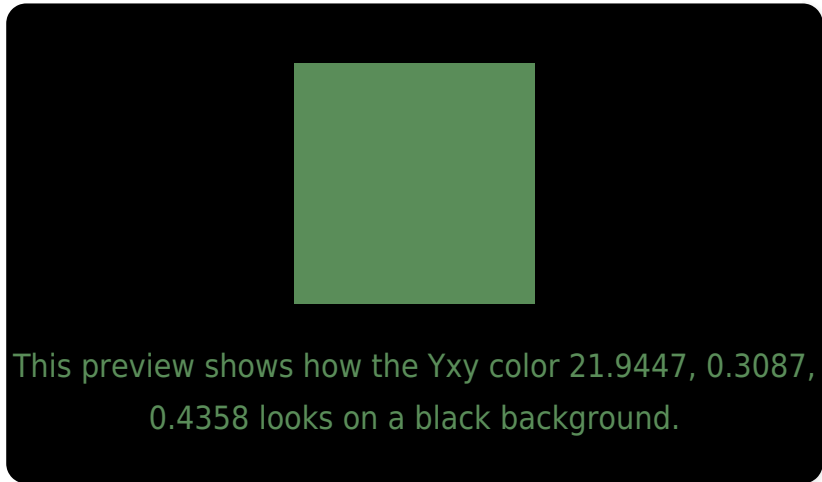
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

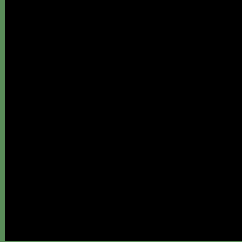
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9447, 0.3087, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 21.9447, 0.3087, 0.4358.



This preview shows how white text looks on a background with the Yxy color 21.9447, 0.3087, 0.4358.

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

21.9447, 0.3087, 0.4358

Protanopia

21.6539, 0.3778, 0.4063

Deuteranopia

21.6316, 0.3860, 0.3794



Tritanopia

21.8612, 0.2681, 0.3085

Trichromacy



Original Color

21.9447, 0.3087, 0.4358

Protanomaly

21.5845, 0.3500, 0.4175

Deuteranomaly

21.4051, 0.3537, 0.3991

Tritanomaly

21.9134, 0.2826, 0.3523

Monochromacy



Original Color

21.9447, 0.3087, 0.4358

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.7937, 0.3109, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9447, 0.3087, 0.4358 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(90, 141, 89)` looks like.

```
.text, #text, p{  
    color:rgb(90, 141, 89)  
}
```

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(90, 141, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 141, 89) }
```

Border

The CSS property to change the border of an element to Yxy 21.9447, 0.3087, 0.4358 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(90, 141, 89) }
```

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

```
.border{ border-color:rgb(90, 141, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 141, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 141, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 141, 89);  
box-shadow:4px 4px 4px 4px rgb(90, 141,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9447, 0.3087, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 141, 89) }
```

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

```
.background{ background-color: rgb(90, 141,  
89) }
```

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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