

Converting Colors

$Y_{xy}(21.8592, 0.3009, 0.5123)$

Have a look what the booklet for
Yxy(21.8592, 0.3009, 0.5123)
contains.

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Color

$\text{Yxy}(21.7645, 0.3013, 0.5119)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 39923D |
| RGB | 57, 146, 61 |
| RGB Percent | 22%, 57%, 24% |
| CMY | 0.7763, 0.4275, 0.7607 |
| CMYK | 0.61, 0.00, 0.58, 0.43 |
| HSL | 123°, 44%, 40% |
| HSV | 123°, 61%, 57% |
| XYZ | 12.8104, 21.7645, 7.9422 |
| YIQ | 109.6990, -25.7590, -45.3030 |

Conversions

Conversions Part 2

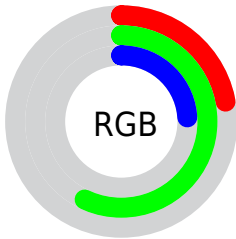
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 57, 142, 146 |
| Decimal | 3772989 |
| CIELab | 53.78, -44.40, 36.74 |
| CIElCh | 54, 57.631, 140.396 |
| Yxy | 21.7645, 0.3013, 0.5119 |
| Android (android.graphics.Color) | 4281963069 (0xFF39923D) |
| YUV | 109.6990, -24.0086, -46.2170 |
| Hunter-Lab | 46.6524, -32.6270, 22.5631 |

Details

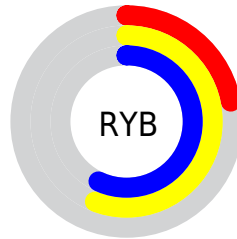
The Yxy color **21.7645, 0.3013, 0.5119** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.9948, 0.3253, 0.1965**, and the grayscale version is **15.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4317, 0.3075, 0.4672**, and **8.0273, 0.2960, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **21.2646, 0.3001, 0.5423**, and if you desaturate by 10%, it is **22.4287, 0.3029, 0.4787**.

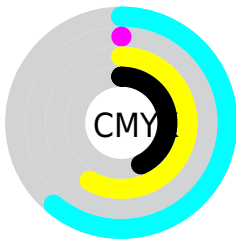
Distribution



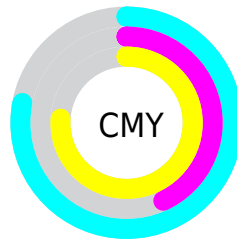
- Red (22%)
- Green (57%)
- Blue (24%)



- Red (22%)
- Yellow (56%)
- Blue (57%)



- Cyan (61%)
- Magenta (0%)
- Yellow (58%)
- Black (43%)



- Cyan (78%)
- Magenta (43%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7645, 0.3013, 0.5119 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 21.7645, 0.3013, 0.5119 by changing the saturation by 10% instead.


 21.7645, 0.3013,
0.5119

 21.7645, 0.3013,
0.5119


261.3140, 0.3129,
0.4021


 13.6840, 0.2946,
0.5467


 46.3565, 0.3078,
0.4668

 7.9012, 0.2826,
0.5960


 63.6367, 0.3094,
0.4515


 4.0318, 0.2648,
0.6847

 84.7522, 0.3106,
0.4392

 1.6914, 0.1777,
0.8223

 110.0875, 0.3114,
0.4291

 0.4181, 0.0000,
1.0000

 140.0269, 0.3120,
0.4206

 0.0000, 0.0000,
0.0000

 174.9549, 0.3124,

0.4135

215.2558, 0.3127,
0.4074

■ 21.7645, 0.3013,
0.5119

■ 21.7645, 0.3013,
0.5119

■ 21.2646, 0.3001,
0.5423

■ 22.4287, 0.3029,
0.4787

■ 20.9124, 0.2993,
0.5676

■ 23.2669, 0.3048,
0.4450

■ 20.6923, 0.2992,
0.5858

■ 24.2911, 0.3068,
0.4125

■ 20.5716, 0.2990,
0.5963

■ 25.5118, 0.3088,
0.3823

■ 26.9382, 0.3107,
0.3551

■ 28.5794, 0.3126,
0.3311

■ 30.4437, 0.3142,
0.3101

■ 32.5389, 0.3157,
0.2918

■ 34.8728, 0.3171,
0.2761

Harmonies

Analogous

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



21.7645, 0.3952, 0.5116



21.7645, 0.3013, 0.5119



21.7645, 0.2153, 0.4246

Triad

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



21.7645, 0.3013, 0.5119



21.7645, 0.1615, 0.1874



21.7645, 0.4891, 0.3135

Complementary

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



21.7645, 0.3013, 0.5119



10.9948, 0.3253, 0.1965

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.



21.7645, 0.4025, 0.2520



21.7645, 0.3013, 0.5119



21.7645, 0.2111, 0.1829

Square

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



21.7645, 0.3013, 0.5119



21.7645, 0.1449, 0.2254



21.7645, 0.2957, 0.2058



21.7645, 0.5133, 0.3822

Rectangle

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



21.7645, 0.3013, 0.5119



21.7645, 0.1749, 0.3443



21.7645, 0.2957, 0.2058



21.7645, 0.4658, 0.2919

Sweetspot

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



21.7654, 0.3013, 0.5119



45.6173, 0.3093, 0.3751



26.6957, 0.3928, 0.4692



10.0090, 0.3088, 0.3825



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.



21.7654, 0.3013, 0.5119



37.2652, 0.2997, 0.5520



22.4377, 0.2697, 0.4177



6.4724, 0.3111, 0.3508



18.1045, 0.2989, 0.5960



0.2224, 0.2935, 0.5767

Inverse Universe

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



10.9948, 0.3253, 0.1965



16.5438, 0.3280, 0.1774



9.9334, 0.4063, 0.2595



5.9048, 0.3144, 0.3081



7.0314, 0.3321, 0.1603



0.0872, 0.3260, 0.1570

Previews

White Background



This preview shows how the Yxy color 21.7645, 0.3013, 0.5119 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 21.7645, 0.3013, 0.5119 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 21.7645, 0.3013, 0.5119

Background



This preview shows how black text looks on a background with the Yxy color 21.7645, 0.3013, 0.5119.



This preview shows how white text looks on a background with the Yxy color 21.7645, 0.3013, 0.5119.

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

21.7645, 0.3013, 0.5119

Protanopia

21.4650, 0.4097, 0.4495

Deuteranopia

21.4043, 0.4210, 0.4150



Tritanopia

21.6917, 0.2485, 0.3077

Trichromacy



Original Color

21.7645, 0.3013, 0.5119



Protanomaly

21.0029, 0.3623, 0.4769



Deuteranomaly

20.6073, 0.3695, 0.4528



Tritanomaly

21.3567, 0.2686, 0.3791

Monochromacy



Original Color

21.7645, 0.3013, 0.5119



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.1628, 0.3083, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7645, 0.3013, 0.5119 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(57, 146, 61)` looks like.

```
.text, #text, p{  
    color:rgb(57, 146, 61)  
}
```

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(57, 146, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 146, 61) }
```

Border

The CSS property to change the border of an element to Yxy 21.7645, 0.3013, 0.5119 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(57, 146, 61) }
```

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

```
.border{ border-color:rgb(57, 146, 61) }
```

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

Here you see how a box with a 4 pixel rgb(57, 146, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 146, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 146, 61);  
box-shadow:4px 4px 4px 4px rgb(57, 146,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7645, 0.3013, 0.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 146, 61) }
```

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

```
.background{ background-color: rgb(57, 146,  
61) }
```

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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