

Converting Colors

$Y_{xy}(22.3460, 0.3085, 0.5757)$

Have a look what the booklet for
Yxy(22.3460, 0.3085, 0.5757)
contains.

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Color

Yxy(22.3460, 0.3085, 0.5757)

Conversions

Conversions Part 1

Format	Color
Hex	299617
RGB	41, 150, 23
RGB Percent	16%, 59%, 9%
CMY	0.8394, 0.4117, 0.9096
CMYK	0.73, 0.00, 0.85, 0.41
HSL	112°, 73%, 34%
HSV	112°, 85%, 59%
XYZ	11.9745, 22.3460, 4.4948
YIQ	102.9310, -24.1970, -62.6050

Conversions

Conversions Part 2

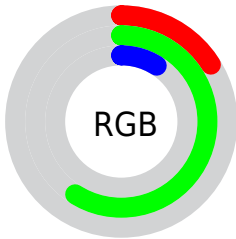
Format	Color
RYB	23, 150, 132
Decimal	2725399
CIELab	54.39, -52.76, 52.24
CIELCh	54, 74.250, 135.281
Yxy	22.3460, 0.3085, 0.5757
Android (android.graphics.Color)	4280915479 (0xFF299617)
YUV	102.9310, -39.4060, -54.3135
Hunter-Lab	47.2716, -37.5087, 27.4525

Details

The Yxy color **22.3460, 0.3085, 0.5757** is a dark color, and the websafe version is hex **339900**, and the color name is **slimy green**. A complement of this color would be **7.7300, 0.2916, 0.1469**, and the grayscale version is **13.6541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1849, 0.3174, 0.5166**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.0799, 0.3057, 0.5903**, and if you desaturate by 10%, it is **22.7345, 0.3110, 0.5537**.

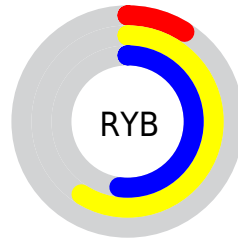
Distribution



Red (16%)

Green (59%)

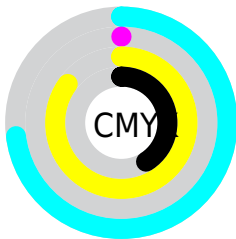
Blue (9%)



Red (9%)

Yellow (59%)

Blue (52%)

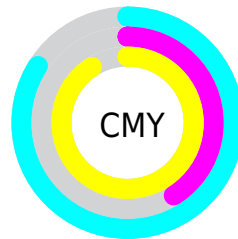


Cyan (73%)

Magenta (0%)

Yellow (85%)

Black (41%)



Cyan (84%)


Magenta (41%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3460, 0.3085, 0.5757 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 22.3460, 0.3085, 0.5757 by changing the saturation by 10% instead.


 22.3460, 0.3085,
0.5757


 22.3460, 0.3085,
0.5757


264.3479, 0.3215,
0.4292


 14.1114, 0.2980,
0.6186


 47.3172, 0.3176,
0.5170

 8.1982, 0.2801,
0.6791


 64.8225, 0.3195,
0.4965


 4.2220, 0.2435,
0.7565

 86.1869, 0.3206,
0.4799

 1.7985, 0.1118,
0.8882

 111.7947, 0.3212,
0.4661


 0.4862, 0.0000,
1.0000


 142.0303, 0.3215,
0.4546


 0.0000, 0.0000,
0.0000


 177.2781, 0.3216,

0.4449


 217.9225, 0.3216,
0.4365


 22.3460, 0.3085,
0.5757


 22.3460, 0.3085,
0.5757

 22.0799, 0.3057,
0.5903

 22.7345, 0.3110,
0.5537

 21.9755, 0.3045,
0.5964

 23.2555, 0.3130,
0.5257

 23.9209, 0.3144,
0.4938

 24.7405, 0.3150,
0.4603

 25.7234, 0.3151,
0.4270

■ 26.8777, 0.3148,
0.3954

■ 28.2113, 0.3141,
0.3663

■ 29.7312, 0.3132,
0.3401

■ 31.4444, 0.3121,
0.3169

Harmonies

Analogous

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



22.3460, 0.4199, 0.5396



22.3460, 0.3085, 0.5757



22.3460, 0.2034, 0.4811

Triad

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



22.3460, 0.3085, 0.5757



22.3460, 0.1270, 0.1619



22.3460, 0.5222, 0.2909

Complementary

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



22.3460, 0.3085, 0.5757



7.7300, 0.2916, 0.1469

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.



22.3460, 0.4015, 0.2234



22.3460, 0.3085, 0.5757



22.3460, 0.1757, 0.1533

Square

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



22.3460, 0.3085, 0.5757



22.3460, 0.1134, 0.2103



22.3460, 0.2686, 0.1747



22.3460, 0.5613, 0.3666

Rectangle

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



22.3460, 0.3085, 0.5757



22.3460, 0.1526, 0.3711



22.3460, 0.2686, 0.1747



22.3460, 0.4884, 0.2671

Sweetspot

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



22.3469, 0.3085, 0.5757



47.2430, 0.3148, 0.3980



22.7688, 0.4368, 0.4771



10.3213, 0.3150, 0.4079



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.



22.3469, 0.3085, 0.5757



38.7323, 0.3038, 0.5970



22.4081, 0.2808, 0.5121



6.5054, 0.3136, 0.3517



18.2338, 0.3048, 0.5962



0.2307, 0.3241, 0.5809

Inverse Universe

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



7.7300, 0.2916, 0.1469



12.0428, 0.2854, 0.1346



8.1309, 0.4084, 0.2147



5.8682, 0.3116, 0.3070



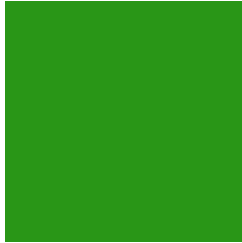
5.6971, 0.2864, 0.1351



0.0789, 0.3044, 0.1451

Previews

White Background



This preview shows how the Yxy color 22.3460, 0.3085, 0.5757 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 22.3460, 0.3085, 0.5757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

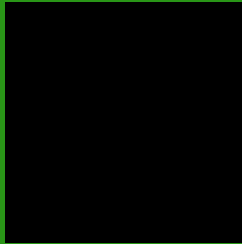
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3460, 0.3085, 0.5757

Background



This preview shows how black text looks on a background with the Yxy color 22.3460, 0.3085, 0.5757.



This preview shows how white text looks on a background with the Yxy color 22.3460, 0.3085, 0.5757.

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

22.3460, 0.3085, 0.5757

Protanopia

22.1167, 0.4353, 0.4829

Deuteranopia

21.9938, 0.4531, 0.4459



Tritanopia

22.4070, 0.2433, 0.3078

Trichromacy



Original Color

22.3460, 0.3085, 0.5757



Protanomaly

21.1265, 0.3787, 0.5247



Deuteranomaly

20.7364, 0.3891, 0.5001



Tritanomaly

21.9381, 0.2721, 0.4147

Monochromacy



Original Color

22.3460, 0.3085, 0.5757



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.6328, 0.3146, 0.4367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3460, 0.3085, 0.5757 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(41, 150, 23)` looks like.

```
.text, #text, p{  
  color:rgb(41, 150, 23)  
}
```

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(41, 150, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 150, 23) }
```

Border

The CSS property to change the border of an element to Yxy 22.3460, 0.3085, 0.5757 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(41, 150, 23) }
```

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

```
.border{ border-color:rgb(41, 150, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 150, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 150, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 150, 23);  
box-shadow:4px 4px 4px 4px rgb(41, 150,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3460, 0.3085, 0.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 150, 23) }
```

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

```
.background{ background-color: rgb(41, 150,  
23) }
```

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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