

Converting Colors

$Y_{xy}(13.1881, 0.3002, 0.5346)$

Have a look what the booklet for
Yxy(13.1881, 0.3002, 0.5346)
contains.

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Color

Yxy(13.2264, 0.3001, 0.5349)

Conversions

Conversions Part 1

Format	Color
Hex	237527
RGB	35, 117, 39
RGB Percent	14%, 46%, 15%
CMY	0.8627, 0.5412, 0.8471
CMYK	0.70, 0.00, 0.67, 0.54
HSL	123°, 54%, 30%
HSV	123°, 70%, 46%
XYZ	7.4205, 13.2264, 4.0799
YIQ	83.5900, -23.8340, -41.6420

Conversions

Conversions Part 2

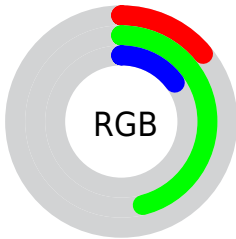
Format	Color
RYB	35, 113, 117
Decimal	2323751
CIELab	43.10, -41.05, 34.97
CIElCh	43, 53.931, 139.571
Yxy	13.2264, 0.3001, 0.5349
Android (android.graphics.Color)	4280513831 (0xFF237527)
YUV	83.5900, -21.9829, -42.6134
Hunter-Lab	36.3681, -27.2232, 18.8063

Details

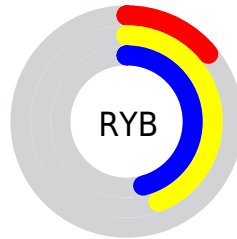
The Yxy color **13.2264, 0.3001, 0.5349** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.1771, 0.3275, 0.1853**, and the grayscale version is **8.8268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7293, 0.3088, 0.4768**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9921, 0.2993, 0.5611**, and if you desaturate by 10%, it is **13.5518, 0.3014, 0.5043**.

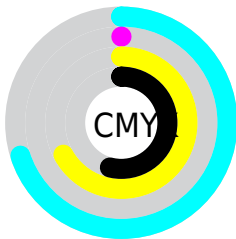
Distribution



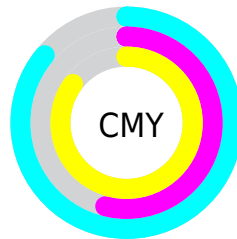
- Red (14%)
- Green (46%)
- Blue (15%)



- Red (14%)
- Yellow (44%)
- Blue (46%)



- Cyan (70%)
- Magenta (0%)
- Yellow (67%)
- Black (54%)




- Cyan (86%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2264, 0.3001, 0.5349 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 13.2264, 0.3001, 0.5349 by changing the saturation by 10% instead.


 13.2264, 0.3001,
0.5349


 13.2264, 0.3001,
0.5349


212.3636, 0.3142,
0.4029


 7.5846, 0.2897,
0.5821


 31.7099, 0.3088,
0.4775


 3.8303, 0.2742,
0.6667

 45.3205, 0.3108,
0.4590

 1.5791, 0.1925,
0.8075

 62.3561, 0.3120,
0.4445

 0.3435, 0.0000,
1.0000

 83.2011, 0.3128,
0.4329

 0.0000, 0.0000,
0.0000

 108.2400, 0.3134,
0.4234

 137.8571, 0.3137,

0.4154

172.4368, 0.3140,
0.4087

■ 13.2264, 0.3001,
0.5349

■ 13.2264, 0.3001,
0.5349

■ 12.9921, 0.2993,
0.5611

■ 13.5518, 0.3014,
0.5043

■ 12.8381, 0.2990,
0.5811

■ 13.9745, 0.3031,
0.4717

■ 12.7356, 0.2985,
0.5948

■ 14.5020, 0.3050,
0.4389

■ 15.1408, 0.3070,
0.4075

■ 15.8966, 0.3090,
0.3785

■ 16.7749, 0.3109,
0.3523

■ 17.7808, 0.3127,
0.3292

■ 18.9192, 0.3144,
0.3089

■ 20.1945, 0.3159,
0.2913

Harmonies

Analogous

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



13.2264, 0.4013, 0.5265



13.2264, 0.3001, 0.5349



13.2264, 0.2072, 0.4392

Triad

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



13.2264, 0.3001, 0.5349



13.2264, 0.1490, 0.1763



13.2264, 0.5052, 0.3080

Complementary

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



13.2264, 0.3001, 0.5349



6.1771, 0.3275, 0.1853

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.



13.2264, 0.4080, 0.2434



13.2264, 0.3001, 0.5349



13.2264, 0.2001, 0.1715

Square

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



13.2264, 0.3001, 0.5349



13.2264, 0.1322, 0.2166



13.2264, 0.2902, 0.1951



13.2264, 0.5316, 0.3802

Rectangle

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



13.2264, 0.3001, 0.5349



13.2264, 0.1639, 0.3481



13.2264, 0.2902, 0.1951



13.2264, 0.4790, 0.2853

Sweetspot

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



13.2270, 0.3001, 0.5349



28.2539, 0.3087, 0.3826



16.4400, 0.3997, 0.4818



6.4276, 0.3083, 0.3886



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.2270, 0.3001, 0.5349



23.0801, 0.2991, 0.5741



13.6412, 0.2673, 0.4312



4.1008, 0.3111, 0.3498



14.0305, 0.2986, 0.5950



68.3360, 0.2994, 0.5979

Inverse Universe

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



6.1771, 0.3275, 0.1853



9.5445, 0.3306, 0.1686



5.4690, 0.4247, 0.2539



3.7550, 0.3144, 0.3091



5.4384, 0.3330, 0.1608



26.4647, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 13.2264, 0.3001, 0.5349 looks on a white 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

Black Background



This preview shows how the Yxy color 13.2264, 0.3001, 0.5349 looks on a black 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

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

Yxy 13.2264, 0.3001, 0.5349

Background



This preview shows how black text looks on a background with the Yxy color 13.2264, 0.3001, 0.5349.



This preview shows how white text looks on a background with the Yxy color 13.2264, 0.3001, 0.5349.

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

13.2264, 0.3001, 0.5349

Protanopia

12.9394, 0.4177, 0.4593

Deuteranopia

12.9230, 0.4314, 0.4245



Tritanopia

13.1151, 0.2444, 0.3074

Trichromacy



Original Color

13.2264, 0.3001, 0.5349

Protanomaly

12.5741, 0.3656, 0.4931

Deuteranomaly

12.3504, 0.3726, 0.4695

Tritanomaly

12.9626, 0.2661, 0.3891

Monochromacy



Original Color

13.2264, 0.3001, 0.5349

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.9413, 0.3062, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2264, 0.3001, 0.5349 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(35, 117, 39)` looks like.

```
.text, #text, p{  
  color:rgb(35, 117, 39)  
}
```

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(35, 117, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 117, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.2264, 0.3001, 0.5349 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(35, 117, 39) }
```

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

```
.border{ border-color:rgb(35, 117, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 117, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 117, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 117, 39);  
box-shadow:4px 4px 4px 4px rgb(35, 117,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2264, 0.3001, 0.5349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 117, 39) }
```

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

```
.background{ background-color: rgb(35, 117,  
39) }
```

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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