

Converting Colors

$Y_{xy}(13.7014, 0.3029, 0.5351)$

Have a look what the booklet for
Yxy(13.7014, 0.3029, 0.5351)
contains.

Yxy(13.7715, 0.3030, 0.5351)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7715, 0.3030, 0.5351)

Conversions

Conversions Part 1

Format	Color
Hex	277727
RGB	39, 119, 39
RGB Percent	15%, 47%, 15%
CMY	0.8473, 0.5333, 0.8470
CMYK	0.67, 0.00, 0.67, 0.53
HSL	120°, 51%, 31%
HSV	120°, 67%, 47%
XYZ	7.7981, 13.7715, 4.1667
YIQ	85.9600, -22.0000, -41.8400

Conversions

Conversions Part 2

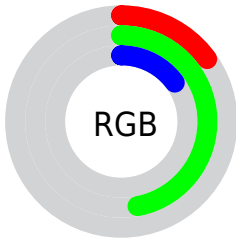
Format	Color
R _Y B	39, 119, 119
Decimal	2586407
CIE Lab	43.90, -40.94, 35.88
CIE LCh	44, 54.441, 138.765
Yxy	13.7715, 0.3030, 0.5351
Android (android.graphics.Color)	4280776487 (0xFF277727)
YUV	85.9600, -23.1513, -41.1839
Hunter-Lab	37.1100, -27.4334, 19.3199

Details

The Yxy color **13.7715, 0.3030, 0.5351** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.7002, 0.3197, 0.1837**, and the grayscale version is **9.3477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6425, 0.3109, 0.4780**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.5086, 0.3017, 0.5622**, and if you desaturate by 10%, it is **14.1332, 0.3045, 0.5033**.

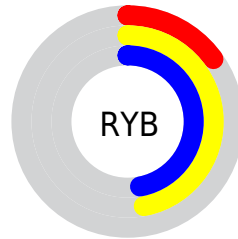
Distribution



Red (15%)

Green (47%)

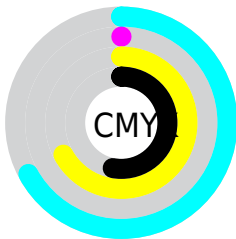
Blue (15%)



Red (15%)

Yellow (47%)

Blue (47%)

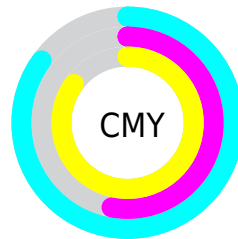


Cyan (67%)

Magenta (0%)

Yellow (67%)

Black (53%)



Cyan (85%)


Magenta (53%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7715, 0.3030, 0.5351 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 13.7715, 0.3030, 0.5351 by changing the saturation by 10% instead.


 13.7715, 0.3030,
0.5351


 13.7715, 0.3030,
0.5351


215.8047, 0.3154,
0.4038

 7.9619, 0.2933,
0.5813


 32.6830, 0.3110,
0.4783


 4.0706, 0.2781,
0.6614

 46.5538, 0.3127,
0.4600


 1.7131, 0.2130,
0.7870

 63.8804, 0.3138,
0.4455

 0.4321, 0.0000,
1.0000

 85.0472, 0.3145,
0.4339

 0.0000, 0.0000,
0.0000

 110.4386, 0.3149,
0.4243

 140.4391, 0.3151,

0.4164

175.4330, 0.3153,
0.4096

■ 13.7715, 0.3030,
0.5351

■ 13.7715, 0.3030,
0.5351

■ 13.5086, 0.3017,
0.5622

■ 14.1332, 0.3045,
0.5033

■ 13.3332, 0.3008,
0.5825

■ 14.6002, 0.3061,
0.4693

■ 13.2236, 0.3001,
0.5963

■ 15.1805, 0.3077,
0.4353

■ 13.1956, 0.3000,
0.5999

■ 15.8808, 0.3092,
0.4029

■ 16.7074, 0.3106,
0.3731

■ 17.6661, 0.3119,
0.3464

■ 18.7621, 0.3130,
0.3229

■ 20.0008, 0.3140,
0.3024

■ 21.3869, 0.3148,
0.2847

Harmonies

Analogous

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



13.7715, 0.4038, 0.5245



13.7715, 0.3030, 0.5351



13.7715, 0.2098, 0.4423

Triad

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



13.7715, 0.3030, 0.5351



13.7715, 0.1486, 0.1773



13.7715, 0.5027, 0.3063

Complementary

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



13.7715, 0.3030, 0.5351



6.7002, 0.3197, 0.1837

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.



13.7715, 0.4044, 0.2421



13.7715, 0.3030, 0.5351



13.7715, 0.1987, 0.1717

Square

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



13.7715, 0.3030, 0.5351



13.7715, 0.1327, 0.2187



13.7715, 0.2875, 0.1945



13.7715, 0.5312, 0.3782

Rectangle

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



13.7715, 0.3030, 0.5351



13.7715, 0.1658, 0.3516



13.7715, 0.2875, 0.1945



13.7715, 0.4759, 0.2838

Sweetspot

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



13.7721, 0.3030, 0.5351



29.4111, 0.3102, 0.3824



17.2639, 0.4013, 0.4754



6.8895, 0.3099, 0.3892



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.7721, 0.3030, 0.5351



23.9875, 0.3011, 0.5749



14.1897, 0.2704, 0.4340



4.0982, 0.3117, 0.3508



14.0177, 0.3000, 0.5999



68.3095, 0.3000, 0.6000

Inverse Universe

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



6.7002, 0.3197, 0.1837



10.3110, 0.3206, 0.1650



5.9338, 0.4111, 0.2504



3.7579, 0.3137, 0.3081



5.5795, 0.3211, 0.1543



27.1892, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 13.7715, 0.3030, 0.5351 looks on a white background.

Color Contrast Check

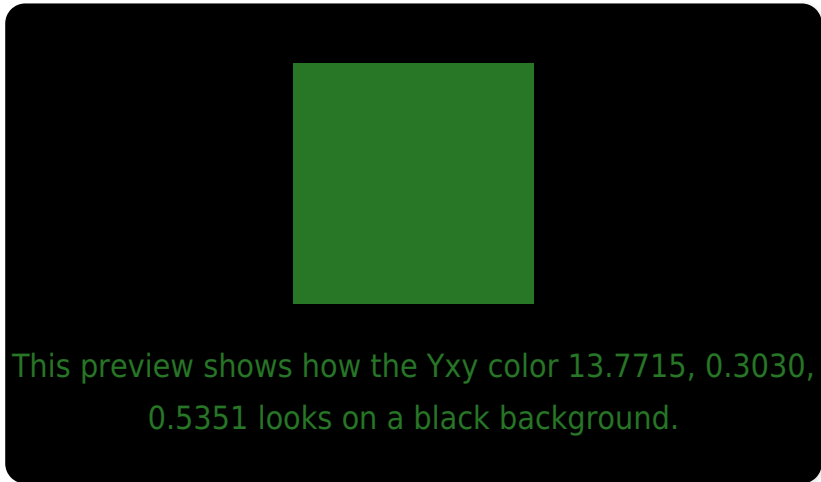
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

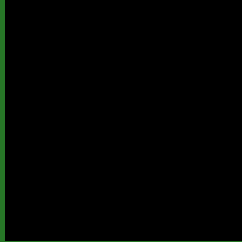
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7715, 0.3030, 0.5351

Background



This preview shows how black text looks on a background with the Yxy color 13.7715, 0.3030, 0.5351.



This preview shows how white text looks on a background with the Yxy color 13.7715, 0.3030, 0.5351.

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

13.7715, 0.3030, 0.5351

Protanopia

13.5348, 0.4197, 0.4597

Deuteranopia

13.5218, 0.4334, 0.4258



Tritanopia

13.6856, 0.2460, 0.3078

Trichromacy



Original Color

13.7715, 0.3030, 0.5351

Protanomaly

13.1394, 0.3683, 0.4932

Deuteranomaly

12.9693, 0.3770, 0.4695

Tritanomaly

13.5200, 0.2674, 0.3879

Monochromacy



Original Color

13.7715, 0.3030, 0.5351

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.4302, 0.3090, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7715, 0.3030, 0.5351 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(39, 119, 39)` looks like.

```
.text, #text, p{  
    color:rgb(39, 119, 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(39, 119, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 119, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.7715, 0.3030, 0.5351 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(39, 119, 39) }
```

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

```
.border{ border-color:rgb(39, 119, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 119, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 119, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 119, 39);  
box-shadow:4px 4px 4px 4px rgb(39, 119,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7715, 0.3030, 0.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 119, 39) }
```

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

```
.background{ background-color: rgb(39, 119,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor