

Converting Colors

$Y_{xy}(13.7074, 0.3096, 0.5557)$

Have a look what the booklet for
Yxy(13.7074, 0.3096, 0.5557)
contains.

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Color

Yxy(13.7088, 0.3095, 0.5552)

Conversions

Conversions Part 1

Format	Color
Hex	27771C
RGB	39, 119, 28
RGB Percent	15%, 47%, 11%
CMY	0.8472, 0.5333, 0.8903
CMYK	0.67, 0.00, 0.76, 0.53
HSL	113°, 62%, 29%
HSV	113°, 76%, 47%
XYZ	7.6421, 13.7088, 3.3408
YIQ	84.7060, -18.4690, -45.2610

Conversions

Conversions Part 2

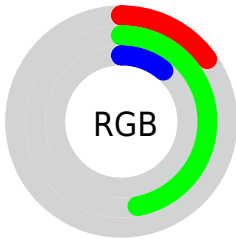
Format	Color
R_{YB}	28, 119, 108
Decimal	2586396
CIE _{Lab}	43.81, -42.01, 40.51
CIE _{LCh}	44, 58.360, 136.038
Yxy	13.7088, 0.3095, 0.5552
Android (android.graphics.Color)	4280776476 (0xFF27771C)
YUV	84.7060, -27.9561, -40.0842
Hunter-Lab	37.0254, -27.9519, 20.5681

Details

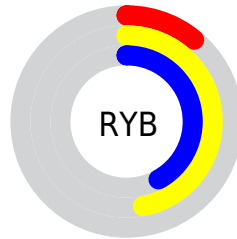
The Yxy color **13.7088, 0.3095, 0.5552** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.3514, 0.2987, 0.1610**, and the grayscale version is **9.0802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5419, 0.3180, 0.4940**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.4866, 0.3072, 0.5766**, and if you desaturate by 10%, it is **14.0111, 0.3114, 0.5279**.

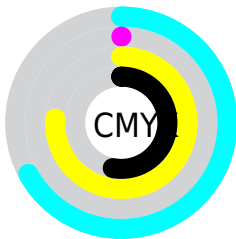
Distribution



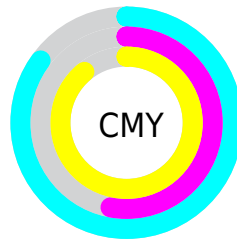
- Red (15%)
- Green (47%)
- Blue (11%)



- Red (11%)
- Yellow (47%)
- Blue (42%)



- Cyan (67%)
- Magenta (0%)
- Yellow (76%)
- Black (53%)





- Cyan (85%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7088, 0.3095, 0.5552 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 13.7088, 0.3095, 0.5552 by changing the saturation by 10% instead.


 13.7088, 0.3095,
0.5552


 13.7088, 0.3095,
0.5552


215.4117, 0.3197,
0.4116


 7.9184, 0.2988,
0.6042


 32.5714, 0.3175,
0.4937


 4.0428, 0.2886,
0.7048

 46.4125, 0.3189,
0.4735


 1.6975, 0.2013,
0.7987

 63.7059, 0.3196,
0.4577

 0.4221, 0.0000,
1.0000

 84.8360, 0.3199,
0.4448


 0.0000, 0.0000,
0.0000


 110.1872, 0.3200,
0.4343


 140.1440, 0.3200,


0.4255


 175.0907, 0.3199,
0.4180


 13.7088, 0.3095,
0.5552


 13.7088, 0.3095,
0.5552

 13.4866, 0.3072,
0.5766

 14.0111, 0.3114,
0.5279


 13.3330, 0.3049,
0.5917

 14.3984, 0.3128,
0.4966

 13.2911, 0.3045,
0.5965

 14.8771, 0.3137,
0.4636

 15.4527, 0.3141,
0.4308

 16.1300, 0.3141,
0.3995

■ 16.9137, 0.3137,
0.3705

■ 17.8082, 0.3132,
0.3444

■ 18.8174, 0.3125,
0.3212

■ 19.9454, 0.3117,
0.3007

Harmonies

Analogous

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



13.7088, 0.4151, 0.5301



13.7088, 0.3095, 0.5552



13.7088, 0.2098, 0.4646

Triad

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



13.7088, 0.3095, 0.5552



13.7088, 0.1372, 0.1709



13.7088, 0.5092, 0.2968

Complementary

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



13.7088, 0.3095, 0.5552



5.3514, 0.2987, 0.1610

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.



13.7088, 0.3989, 0.2313



13.7088, 0.3095, 0.5552



13.7088, 0.1855, 0.1627

Square

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



13.7088, 0.3095, 0.5552



13.7088, 0.1236, 0.2172



13.7088, 0.2749, 0.1839



13.7088, 0.5456, 0.3705

Rectangle

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



13.7088, 0.3095, 0.5552



13.7088, 0.1616, 0.3653



13.7088, 0.2749, 0.1839



13.7088, 0.4784, 0.2737

Sweetspot

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



13.7094, 0.3095, 0.5552



29.2686, 0.3140, 0.3908



14.4942, 0.4246, 0.4712



6.8416, 0.3141, 0.3998



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.



13.7094, 0.3095, 0.5552



23.9255, 0.3052, 0.5884



13.7824, 0.2790, 0.4850



4.1174, 0.3133, 0.3508



14.1171, 0.3043, 0.5966



68.5874, 0.3025, 0.5980

Inverse Universe

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



5.3514, 0.2987, 0.1610



8.0863, 0.2935, 0.1427



5.4181, 0.3976, 0.2223



3.7366, 0.3120, 0.3079



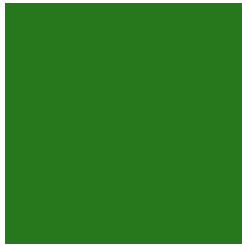
4.5801, 0.2917, 0.1381



22.0717, 0.2901, 0.1372

Previews

White Background



This preview shows how the Yxy color 13.7088, 0.3095, 0.5552 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 13.7088, 0.3095, 0.5552 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 13.7088, 0.3095, 0.5552

Background



This preview shows how black text looks on a background with the Yxy color 13.7088, 0.3095, 0.5552.



This preview shows how white text looks on a background with the Yxy color 13.7088, 0.3095, 0.5552.

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

13.7088, 0.3095, 0.5552

Protanopia

13.4794, 0.4284, 0.4726

Deuteranopia

13.5361, 0.4447, 0.4377



Tritanopia

13.7170, 0.2469, 0.3079

Trichromacy



Original Color

13.7088, 0.3095, 0.5552

Protanomaly

13.0822, 0.3764, 0.5093

Deuteranomaly

12.9104, 0.3854, 0.4846

Tritanomaly

13.4796, 0.2722, 0.3986

Monochromacy



Original Color

13.7088, 0.3095, 0.5552

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.1485, 0.3141, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7088, 0.3095, 0.5552 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, 28)` looks like.

```
.text, #text, p{  
  color:rgb(39, 119, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 119, 28) }
```

Border

The CSS property to change the border of an element to Yxy 13.7088, 0.3095, 0.5552 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, 28) }
```

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

```
.border{ border-color:rgb(39, 119, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 119, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 119, 28);  
box-shadow:4px 4px 4px 4px rgb(39, 119,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7088, 0.3095, 0.5552 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, 28) }
```

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

```
.background{ background-color: rgb(39, 119,  
28) }
```

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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