

Converting Colors

$Y_{xy}(28.8511, 0.3239, 0.5777)$

Have a look what the booklet for
Yxy(28.8511, 0.3239, 0.5777)
contains.

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Color

Yxy(28.8461, 0.3239, 0.5777)

Conversions

Conversions Part 1

Format	Color
Hex	43A707
RGB	67, 167, 7
RGB Percent	26%, 65%, 3%
CMY	0.7371, 0.3451, 0.9729
CMYK	0.60, 0.00, 0.96, 0.35
HSL	97°, 92%, 34%
HSV	97°, 96%, 65%
XYZ	16.1732, 28.8461, 4.9134
YIQ	118.8600, -8.2400, -70.9600

Conversions

Conversions Part 2

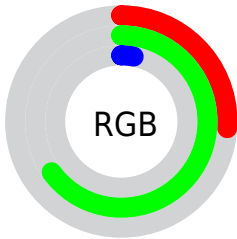
Format	Color
R_{YB}	7, 167, 107
Decimal	4433671
CIE _{Lab}	60.65, -53.30, 60.94
CIE _{LCh}	61, 80.963, 131.172
Yxy	28.8461, 0.3239, 0.5777
Android (android.graphics.Color)	4282623751 (0xFF43A707)
YUV	118.8600, -55.1470, -45.4812
Hunter-Lab	53.7086, -40.2385, 32.1720

Details

The Yxy color **28.8461, 0.3239, 0.5777** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.0579, 0.2331, 0.1078**, and the grayscale version is **18.5812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8092, 0.3303, 0.5240**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.6853, 0.3219, 0.5826**, and if you desaturate by 10%, it is **29.2991, 0.3286, 0.5637**.

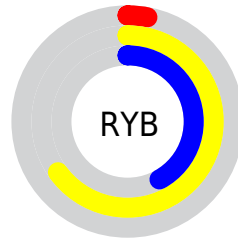
Distribution



Red (26%)

Green (65%)

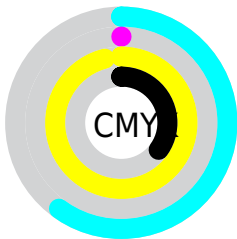
Blue (3%)



Red (3%)

Yellow (65%)

Blue (42%)

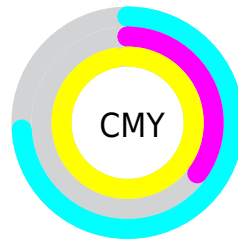


Cyan (60%)

Magenta (0%)

Yellow (96%)

Black (35%)



Cyan (74%)


Magenta (35%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8461, 0.3239, 0.5777 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 28.8461, 0.3239, 0.5777 by changing the saturation by 10% instead.


 28.8461, 0.3239,
0.5777


 28.8461, 0.3239,
0.5777


296.4881, 0.3298,
0.4373


 18.9644, 0.3158,
0.6149


 57.8325, 0.3303,
0.5241


 11.6446, 0.3009,
0.6628


 77.7060, 0.3313,
0.5045

 6.5022, 0.2739,
0.7261


 101.6789, 0.3316,
0.4883

 3.1528, 0.2166,
0.7834

 130.1356, 0.3316,
0.4748

 1.2120, 0.0000,
1.0000

 163.4604, 0.3313,
0.4632

 0.0715, 0.0000,
1.0000


 202.0379, 0.3308,


 0.0000, 0.0000,

0.4534


0.0000


 246.2523, 0.3303,
0.4448

 28.8461, 0.3239,
0.5777


 28.8461, 0.3239,
0.5777


 28.6853, 0.3219,
0.5826

 29.2991, 0.3286,
0.5637

 29.8623, 0.3318,
0.5437

 30.5476, 0.3332,
0.5185

 31.3633, 0.3329,
0.4897

 32.3171, 0.3311,
0.4590

■ 33.4159, 0.3282,
0.4280

■ 34.6661, 0.3244,
0.3978

■ 36.0737, 0.3200,
0.3694

■ 37.6443, 0.3155,
0.3432

Harmonies

Analogous

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



28.8461, 0.4345, 0.5289



28.8461, 0.3239, 0.5777



28.8461, 0.2161, 0.5018

Triad

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



28.8461, 0.3239, 0.5777



28.8461, 0.1230, 0.1657



28.8461, 0.5097, 0.2810

Complementary

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



28.8461, 0.3239, 0.5777



6.0579, 0.2331, 0.1078

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.



28.8461, 0.3823, 0.2151



28.8461, 0.3239, 0.5777



28.8461, 0.1665, 0.1524

Square

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



28.8461, 0.3239, 0.5777



28.8461, 0.1139, 0.2210



28.8461, 0.2529, 0.1699



28.8461, 0.5619, 0.3558

Rectangle

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



28.8461, 0.3239, 0.5777



28.8461, 0.1611, 0.3938



28.8461, 0.2529, 0.1699



28.8461, 0.4724, 0.2576

Sweetspot

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



28.8473, 0.3239, 0.5777



61.2324, 0.3258, 0.4087



18.4630, 0.4997, 0.4375



13.4985, 0.3274, 0.4212



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.8473, 0.3239, 0.5777



51.2643, 0.3207, 0.5835



27.7549, 0.2971, 0.5854



8.5399, 0.3170, 0.3519



21.9763, 0.3226, 0.5821



0.5640, 0.3506, 0.5598

Inverse Universe

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



6.0579, 0.2331, 0.1078



10.1761, 0.2277, 0.1028



10.5139, 0.3508, 0.1725



7.5238, 0.3080, 0.3063



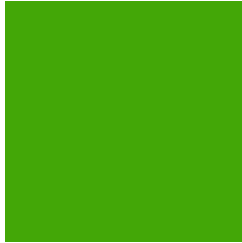
4.4284, 0.2301, 0.1041



0.1355, 0.2610, 0.1211

Previews

White Background



This preview shows how the Yxy color 28.8461, 0.3239, 0.5777 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 28.8461, 0.3239, 0.5777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

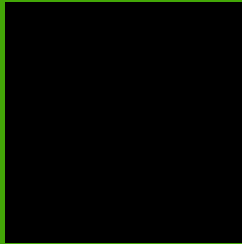
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8461, 0.3239, 0.5777

Background



This preview shows how black text looks on a background with the Yxy color 28.8461, 0.3239, 0.5777.



This preview shows how white text looks on a background with the Yxy color 28.8461, 0.3239, 0.5777.

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

28.8461, 0.3239, 0.5777

Protanopia

28.4503, 0.4398, 0.4890

Deuteranopia

28.3656, 0.4603, 0.4515



Tritanopia

28.6495, 0.2506, 0.3068

Trichromacy



Original Color

28.8461, 0.3239, 0.5777

Protanomaly

27.7849, 0.3908, 0.5265

Deuteranomaly

27.2278, 0.4045, 0.5028

Tritanomaly

27.7852, 0.2875, 0.4246

Monochromacy



Original Color

28.8461, 0.3239, 0.5777

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.8677, 0.3303, 0.4466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8461, 0.3239, 0.5777 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(67, 167, 7)` looks like.

```
.text, #text, p{  
    color:rgb(67, 167, 7)  
}
```

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(67, 167, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 167, 7) }
```

Border

The CSS property to change the border of an element to Yxy 28.8461, 0.3239, 0.5777 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(67, 167, 7) }
```

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

```
.border{ border-color:rgb(67, 167, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 167, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 167, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 167, 7);  
box-shadow:4px 4px 4px 4px rgb(67, 167, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.8461, 0.3239, 0.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 167, 7) }
```

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

```
.background{ background-color: rgb(67, 167,  
7) }
```

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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