

Converting Colors

$Y_{xy}(28.8544, 0.3517, 0.5590)$

Have a look what the booklet for
Yxy(28.8544, 0.3517, 0.5590)
contains.

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Color

Yxy(28.7911, 0.3519, 0.5588)

Conversions

Conversions Part 1

Format	Color
Hex	62A300
RGB	98, 163, 0
RGB Percent	38%, 64%, 0%
CMY	0.6158, 0.3607, 1.0000
CMYK	0.40, 0.00, 1.00, 0.36
HSL	84°, 100%, 32%
HSV	84°, 100%, 64%
XYZ	18.1310, 28.7911, 4.6010
YIQ	124.9830, 13.5830, -64.4730

Conversions

Conversions Part 2

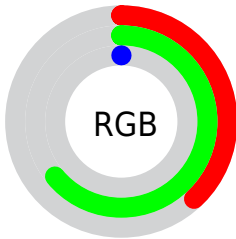
Format	Color
RYB	0, 163, 65
Decimal	6464256
CIELab	60.60, -42.33, 62.40
CIElCh	61, 75.405, 124.152
Yxy	28.7911, 0.3519, 0.5588
Android (android.graphics.Color)	4284654336 (0xFF62A300)
YUV	124.9830, -61.6166, -23.6641
Hunter-Lab	53.6573, -33.5847, 32.4761

Details

The Yxy color **28.7911, 0.3519, 0.5588** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.7702, 0.1852, 0.0794**, and the grayscale version is **20.7081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4939, 0.3523, 0.5115**, and **11.8200, 0.3229, 0.5818** is the 20% darker color. If you saturate the color by 10%, you get **28.7924, 0.3519, 0.5588**, and if you desaturate by 10%, it is **29.2072, 0.3556, 0.5479**.

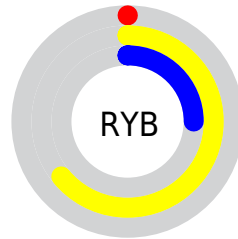
Distribution



Red (38%)

Green (64%)

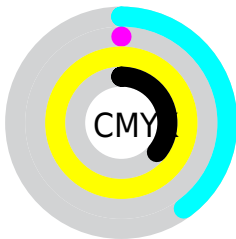
Blue (0%)



Red (0%)

Yellow (64%)

Blue (25%)

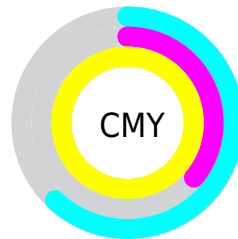


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (62%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7911, 0.3519, 0.5588 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 28.7911, 0.3519, 0.5588 by changing the saturation by 10% instead.


 28.7911, 0.3519,
0.5588

 28.7911, 0.3519,
0.5588

296.2280, 0.3423,
0.4321


 18.9228, 0.3480,
0.5908


 57.7450, 0.3524,
0.5114

 11.6145, 0.3391,
0.6320


 77.5995, 0.3512,
0.4938

 6.4818, 0.3185,
0.6815


 101.5515, 0.3498,
0.4792

 3.1402, 0.2713,
0.7287

 129.9854, 0.3482,
0.4667

 1.2054, 0.0634,
0.9366

 163.2856, 0.3466,
0.4562

 0.0661, 0.0000,
1.0000


 201.8365, 0.3451,


 0.0000, 0.0000,

0.4470


0.0000


 246.0225, 0.3436,
0.4391


 28.7911, 0.3519,
0.5588


 28.7911, 0.3519,
0.5588


 28.7924, 0.3519,
0.5588

 29.2072, 0.3556,
0.5479

 29.6831, 0.3577,
0.5330

 30.2338, 0.3574,
0.5133

 30.8655, 0.3548,
0.4896

 31.5839, 0.3503,
0.4632

■ 32.3936, 0.3442,
0.4353

■ 33.2992, 0.3369,
0.4072

■ 34.3046, 0.3291,
0.3797

■ 35.4138, 0.3209,
0.3535

Harmonies

Analogous

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



28.7911, 0.4541, 0.5023



28.7911, 0.3519, 0.5588



28.7911, 0.2459, 0.5160

Triad

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



28.7911, 0.3519, 0.5588



28.7911, 0.1268, 0.1828



28.7911, 0.4731, 0.2689

Complementary

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



28.7911, 0.3519, 0.5588



3.7702, 0.1852, 0.0794

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.



28.7911, 0.3479, 0.2089



28.7911, 0.3519, 0.5588



28.7911, 0.1608, 0.1611

Square

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



28.7911, 0.3519, 0.5588



28.7911, 0.1263, 0.2491



28.7911, 0.2337, 0.1712



28.7911, 0.5436, 0.3402

Rectangle

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



28.7911, 0.3519, 0.5588



28.7911, 0.1868, 0.4258



28.7911, 0.2337, 0.1712



28.7911, 0.4341, 0.2471

Sweetspot

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



28.7924, 0.3519, 0.5588



59.5334, 0.3374, 0.4087



11.2860, 0.5727, 0.3835



13.2209, 0.3403, 0.4200



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.7924, 0.3519, 0.5588



51.4388, 0.3508, 0.5597



26.3365, 0.3032, 0.5974



8.0956, 0.3203, 0.3516



22.4009, 0.3525, 0.5583



0.4971, 0.3774, 0.5386

Inverse Universe

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



3.7702, 0.1852, 0.0794



6.6419, 0.1834, 0.0784



8.5733, 0.2919, 0.1382



6.9914, 0.3046, 0.3062



2.9548, 0.1862, 0.0799



0.0891, 0.2295, 0.1038

Previews

White Background



This preview shows how the Yxy color 28.7911, 0.3519, 0.5588 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 28.7911, 0.3519, 0.5588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

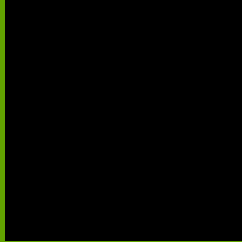
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7911, 0.3519, 0.5588

Background



This preview shows how black text looks on a background with the Yxy color 28.7911, 0.3519, 0.5588.



This preview shows how white text looks on a background with the Yxy color 28.7911, 0.3519, 0.5588.

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

28.7911, 0.3519, 0.5588

Deuteranopia

28.3485, 0.4617, 0.4533

Tritanopia

28.8498, 0.2692, 0.3091

Trichromacy



Original Color

28.7911, 0.3519, 0.5588

Deuteranomaly

27.5933, 0.4209, 0.4941

Tritanomaly

28.0276, 0.3129, 0.4238

Monochromacy



Original Color

28.7911, 0.3519, 0.5588

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.6893, 0.3449, 0.4408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7911, 0.3519, 0.5588 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(98, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 163, 0)  
}
```

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(98, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.7911, 0.3519, 0.5588 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(98, 163, 0) }
```

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

```
.border{ border-color:rgb(98, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(98, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 163, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 28.7911, 0.3519, 0.5588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 163, 0) }
```

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

```
.background{ background-color: rgb(98, 163,  
0) }
```

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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