

Converting Colors

$Y_{xy}(28.3193, 0.3652, 0.5824)$

Have a look what the booklet for
Yxy(28.3193, 0.3652, 0.5824)
contains.

Yxy(28.5500, 0.3545, 0.5568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5500, 0.3545, 0.5568)

Conversions

Conversions Part 1

Format	Color
Hex	64A200
RGB	100, 162, 0
RGB Percent	39%, 64%, 0%
CMY	0.6078, 0.3647, 1.0000
CMYK	0.38, 0.00, 1.00, 0.36
HSL	83°, 100%, 32%
HSV	83°, 100%, 64%
XYZ	18.1770, 28.5500, 4.5481
YIQ	124.9940, 15.0500, -63.5260

Conversions

Conversions Part 2

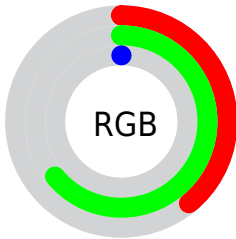
Format	Color
RYB	0, 162, 62
Decimal	6595072
CIELab	60.38, -41.16, 62.30
CIELCh	60, 74.671, 123.454
Yxy	28.5500, 0.3545, 0.5568
Android (android.graphics.Color)	4284785152 (0xFF64A200)
YUV	124.9940, -61.6220, -21.9197
Hunter-Lab	53.4322, -32.7826, 32.3558

Details

The Yxy color **28.5500, 0.3545, 0.5568** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.6321, 0.1827, 0.0780**, and the grayscale version is **20.7164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1747, 0.3542, 0.5098**, and **11.6441, 0.3253, 0.5799** is the 20% darker color. If you saturate the color by 10%, you get **28.5516, 0.3545, 0.5567**, and if you desaturate by 10%, it is **28.9567, 0.3580, 0.5461**.

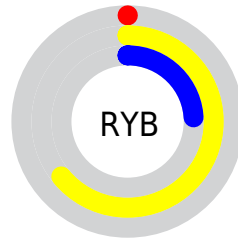
Distribution



Red (39%)

Green (64%)

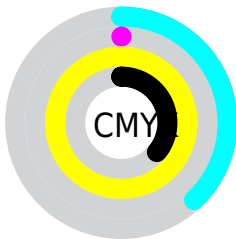
Blue (0%)



Red (0%)

Yellow (64%)

Blue (24%)

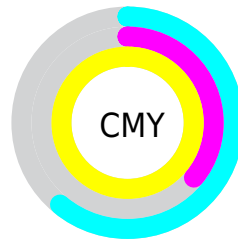


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (61%)


Magenta (36%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5500, 0.3545, 0.5568 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 28.5500, 0.3545, 0.5568 by changing the saturation by 10% instead.


 28.5500, 0.3545,
0.5568


 28.5500, 0.3545,
0.5568


 295.0858, 0.3434,
0.4313


 18.7407, 0.3510,
0.5884


 57.3614, 0.3544,
0.5100


 11.4830, 0.3427,
0.6292


 77.1322, 0.3530,
0.4925

 6.3927, 0.3225,
0.6775


 100.9923, 0.3514,
0.4780

 3.0853, 0.2760,
0.7240

 129.3260, 0.3497,
0.4657

 1.1764, 0.0693,
0.9307

 162.5179, 0.3480,
0.4552


 0.0423, 0.0000,
1.0000


 200.9522, 0.3463,


 0.0000, 0.0000,


0.4461


0.0000


 245.0133, 0.3448,
0.4383


 28.5500, 0.3545,
0.5568


 28.5500, 0.3545,
0.5568


 28.5516, 0.3545,
0.5567

 28.9567, 0.3580,
0.5461

 29.4197, 0.3598,
0.5314

 29.9542, 0.3593,
0.5119

 30.5663, 0.3564,
0.4886

 31.2613, 0.3516,
0.4625

■ 32.0439, 0.3452,
0.4349

■ 32.9183, 0.3377,
0.4069

■ 33.8886, 0.3296,
0.3796

■ 34.9584, 0.3212,
0.3534

Harmonies

Analogous

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



28.5500, 0.4558, 0.4997



28.5500, 0.3545, 0.5568



28.5500, 0.2488, 0.5169

Triad

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



28.5500, 0.3545, 0.5568



28.5500, 0.1273, 0.1846



28.5500, 0.4695, 0.2678

Complementary

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



28.5500, 0.3545, 0.5568



3.6321, 0.1827, 0.0780

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.



28.5500, 0.3448, 0.2084



28.5500, 0.3545, 0.5568



28.5500, 0.1604, 0.1620

Square

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



28.5500, 0.3545, 0.5568



28.5500, 0.1276, 0.2520



28.5500, 0.2320, 0.1714



28.5500, 0.5415, 0.3387

Rectangle

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



28.5500, 0.3545, 0.5568



28.5500, 0.1894, 0.4286



28.5500, 0.2320, 0.1714



28.5500, 0.4304, 0.2462

Sweetspot

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



28.5516, 0.3545, 0.5567



59.6652, 0.3382, 0.4085



10.8507, 0.5772, 0.3799



13.2536, 0.3413, 0.4197



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.



28.5516, 0.3545, 0.5567



51.7117, 0.3533, 0.5576



26.0070, 0.3039, 0.5969



8.1013, 0.3205, 0.3516



22.5187, 0.3550, 0.5563



0.4991, 0.3791, 0.5372

Inverse Universe

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



3.6321, 0.1827, 0.0780



6.4840, 0.1808, 0.0770



8.2190, 0.2878, 0.1359



6.9859, 0.3044, 0.3062



2.8847, 0.1835, 0.0785



0.0873, 0.2267, 0.1023

Previews

White Background



This preview shows how the Yxy color 28.5500, 0.3545, 0.5568 looks on a white background.

Color Contrast Check

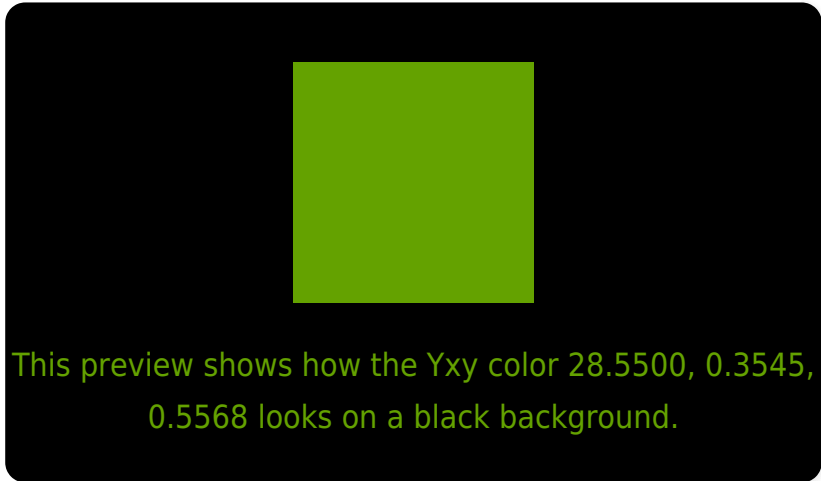
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 28.5500, 0.3545, 0.5568

Background



This preview shows how black text looks on a background with the Yxy color 28.5500, 0.3545, 0.5568.



This preview shows how white text looks on a background with the Yxy color 28.5500, 0.3545, 0.5568.

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

28.5500, 0.3545, 0.5568

Protanopia

28.1433, 0.4410, 0.4880

Deuteranopia

28.3485, 0.4617, 0.4533



Tritanopia

28.6291, 0.2715, 0.3091

Trichromacy



Original Color

28.5500, 0.3545, 0.5568

Protanomaly

27.7959, 0.4080, 0.5143

Deuteranomaly

27.6902, 0.4221, 0.4932

Tritanomaly

27.8217, 0.3149, 0.4217

Monochromacy



Original Color

28.5500, 0.3545, 0.5568

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.4691, 0.3465, 0.4389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5500, 0.3545, 0.5568 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(100, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 162, 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(100, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 162, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.5500, 0.3545, 0.5568 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(100, 162, 0) }
```

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

```
.border{ border-color:rgb(100, 162, 0) }
```

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

Here you see how a box with a 4 pixel rgb(100, 162, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 162,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5500, 0.3545, 0.5568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 162, 0) }
```

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

```
.background{ background-color: rgb(100,  
162, 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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