

Converting Colors

$Yxy(28.5484, 0.2995, 0.5523)$

Have a look what the booklet for
Yxy(28.5484, 0.2995, 0.5523)
contains.

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Color

Yxy(28.3813, 0.2991, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	2BA732
RGB	43, 167, 50
RGB Percent	17%, 65%, 20%
CMY	0.8315, 0.3451, 0.8040
CMYK	0.74, 0.00, 0.70, 0.35
HSL	123°, 59%, 41%
HSV	123°, 74%, 65%
XYZ	15.3895, 28.3813, 7.6819
YIQ	116.5860, -36.3470, -62.6750

Conversions

Conversions Part 2

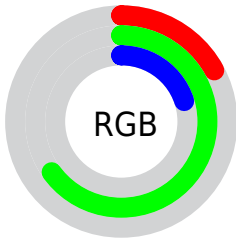
Format	Color
RYB	43, 160, 167
Decimal	2860850
CIELab	60.23, -56.06, 48.79
CIElCh	60, 74.323, 138.967
Yxy	28.3813, 0.2991, 0.5516
Android (android.graphics.Color)	4281050930 (0xFF2BA732)
YUV	116.5860, -32.8269, -64.5349
Hunter-Lab	53.2741, -41.6657, 28.7425

Details

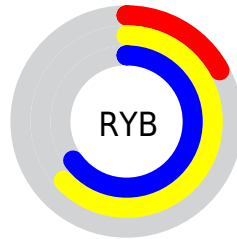
The Yxy color **28.3813, 0.2991, 0.5516** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.4801, 0.3303, 0.1781**, and the grayscale version is **17.7639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9428, 0.3074, 0.4998**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.9793, 0.2987, 0.5747**, and if you desaturate by 10%, it is **28.9802, 0.3001, 0.5226**.

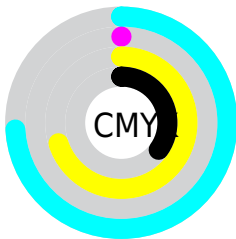
Distribution



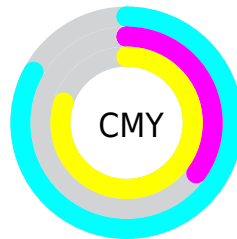
- Red (17%)
- Green (65%)
- Blue (20%)



- Red (17%)
- Yellow (63%)
- Blue (65%)



- Cyan (74%)
- Magenta (0%)
- Yellow (70%)
- Black (35%)





- Cyan (83%)
- Magenta (35%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3813, 0.2991, 0.5516 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 28.3813, 0.2991, 0.5516 by changing the saturation by 10% instead.


 28.3813, 0.2991,
0.5516


 28.3813, 0.2991,
0.5516


294.2844, 0.3146,
0.4226


 18.6133, 0.2905,
0.5890


 57.0926, 0.3077,
0.5005


 11.3912, 0.2758,
0.6389


 76.8047, 0.3100,
0.4826


 6.3306, 0.2539,
0.7196


 100.6003, 0.3115,
0.4679

 3.0471, 0.1997,
0.8003

 128.8638, 0.3126,
0.4557

 1.1564, 0.0000,
1.0000

 161.9796, 0.3133,
0.4455

 0.0256, 0.0000,
1.0000

 200.3320, 0.3139,

 0.0000, 0.0000,

0.4367

0.0000

244.3055, 0.3143,
0.4292

■ 28.3813, 0.2991,
0.5516

■ 28.3813, 0.2991,
0.5516

■ 27.9793, 0.2987,
0.5747

■ 28.9802, 0.3001,
0.5226

■ 27.7463, 0.2990,
0.5903

■ 29.7928, 0.3016,
0.4901

■ 27.6600, 0.2989,
0.5960

■ 30.8383, 0.3035,
0.4562

■ 32.1325, 0.3055,
0.4231

■ 33.6901, 0.3077,
0.3921

■ 35.5246, 0.3099,
0.3638

■ 37.6484, 0.3119,
0.3388

■ 40.0733, 0.3138,
0.3168

■ 42.8104, 0.3155,
0.2977

Harmonies

Analogous

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



28.3813, 0.4052, 0.5360



28.3813, 0.2991, 0.5516



28.3813, 0.2016, 0.4505

Triad

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



28.3813, 0.2991, 0.5516



28.3813, 0.1404, 0.1687



28.3813, 0.5164, 0.3037

Complementary

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



28.3813, 0.2991, 0.5516



12.4801, 0.3303, 0.1781

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.



28.3813, 0.4114, 0.2372



28.3813, 0.2991, 0.5516



28.3813, 0.1924, 0.1636

Square

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



28.3813, 0.2991, 0.5516



28.3813, 0.1236, 0.2106



28.3813, 0.2860, 0.1875



28.3813, 0.5443, 0.3780

Rectangle

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



28.3813, 0.2991, 0.5516



28.3813, 0.1563, 0.3511



28.3813, 0.2860, 0.1875



28.3813, 0.4881, 0.2804

Sweetspot

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



28.3825, 0.2991, 0.5516



60.9084, 0.3081, 0.3866



35.3702, 0.4023, 0.4921



13.4527, 0.3076, 0.3942



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.



28.3825, 0.2991, 0.5516



49.8090, 0.2988, 0.5855



29.3043, 0.2648, 0.4386



8.4144, 0.3109, 0.3510



21.1668, 0.2987, 0.5954



0.5171, 0.2930, 0.5747

Inverse Universe

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



12.4801, 0.3303, 0.1781



19.8095, 0.3337, 0.1653



10.8388, 0.4457, 0.2537



7.6592, 0.3146, 0.3080



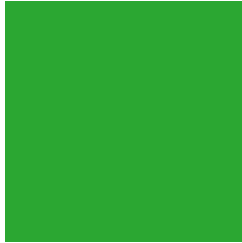
8.1667, 0.3353, 0.1621



0.2008, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 28.3813, 0.2991, 0.5516 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 28.3813, 0.2991, 0.5516 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 28.3813, 0.2991, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 28.3813, 0.2991, 0.5516.



This preview shows how white text looks on a background with the Yxy color 28.3813, 0.2991, 0.5516.

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

28.3813, 0.2991, 0.5516

Protanopia

27.7054, 0.4242, 0.4677

Deuteranopia

27.8119, 0.4401, 0.4313



Tritanopia

28.2612, 0.2405, 0.3063

Trichromacy



Original Color

28.3813, 0.2991, 0.5516



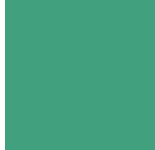
Protanomaly

26.5053, 0.3664, 0.5060



Deuteranomaly

26.2210, 0.3761, 0.4802



Tritanomaly

27.7718, 0.2630, 0.3944

Monochromacy



Original Color

28.3813, 0.2991, 0.5516



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.2919, 0.3054, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3813, 0.2991, 0.5516 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(43, 167, 50)` looks like.

```
.text, #text, p{  
    color:rgb(43, 167, 50)  
}
```

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(43, 167, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 167, 50) }
```

Border

The CSS property to change the border of an element to Yxy 28.3813, 0.2991, 0.5516 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(43, 167, 50) }
```

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

```
.border{ border-color:rgb(43, 167, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 167, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 167, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 167, 50);  
box-shadow:4px 4px 4px 4px rgb(43, 167,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3813, 0.2991, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 167, 50) }
```

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

```
.background{ background-color: rgb(43, 167,  
50) }
```

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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