

Converting Colors

$Yxy(28.1082, 0.3038, 0.5187)$

Have a look what the booklet for
Yxy(28.1082, 0.3038, 0.5187)
contains.

Yxy(28.0564, 0.3038, 0.5194)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(28.0564, 0.3038, 0.5194)$

Conversions

Conversions Part 1

Format	Color
Hex	41A441
RGB	65, 164, 65
RGB Percent	25%, 64%, 25%
CMY	0.7450, 0.3569, 0.7451
CMYK	0.60, 0.00, 0.60, 0.36
HSL	120°, 43%, 45%
HSV	120°, 60%, 64%
XYZ	16.4103, 28.0564, 9.5502
YIQ	123.1130, -27.2250, -51.7770

Conversions

Conversions Part 2

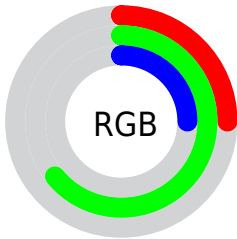
Format	Color
R_{YB}	65, 164, 164
Decimal	4301889
CIE Lab	59.94, -48.91, 42.07
CIE LCh	60, 64.512, 139.299
Yxy	28.0564, 0.3038, 0.5194
Android (android.graphics.Color)	4282491969 (0xFF41A441)
YUV	123.1130, -28.6497, -50.9651
Hunter-Lab	52.9683, -37.3926, 26.3878

Details

The Yxy color **28.0564, 0.3038, 0.5194** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.3502, 0.3191, 0.1916**, and the grayscale version is **19.9517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6583, 0.3100, 0.4758**, and **11.3930, 0.2969, 0.5888** is the 20% darker color. If you saturate the color by 10%, you get **27.4135, 0.3024, 0.5500**, and if you desaturate by 10%, it is **28.9193, 0.3054, 0.4851**.

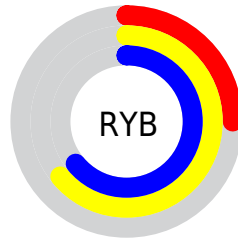
Distribution



Red (25%)

Green (64%)

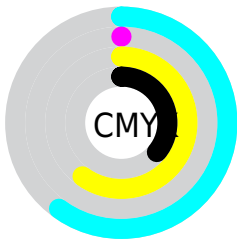
Blue (25%)



Red (25%)

Yellow (64%)

Blue (64%)

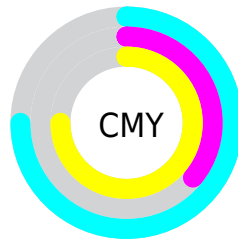


Cyan (60%)

Magenta (0%)

Yellow (60%)

Black (36%)



Cyan (75%)


Magenta (36%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0564, 0.3038, 0.5194 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 28.0564, 0.3038, 0.5194 by changing the saturation by 10% instead.


 28.0564, 0.3038,
0.5194


 28.0564, 0.3038,
0.5194


292.7363, 0.3144,
0.4091


 18.3682, 0.2977,
0.5520


 56.5745, 0.3098,
0.4755


 11.2146, 0.2872,
0.5964


 76.1731, 0.3114,
0.4602


 6.2114, 0.2682,
0.6608

 99.8440, 0.3124,
0.4477

 2.9740, 0.2334,
0.7666

 127.9716, 0.3131,
0.4373

 1.1182, 0.0000,
1.0000

 160.9402, 0.3136,
0.4286

 0.0000, 0.0000,
0.0000

199.1343, 0.3140,

0.4211

242.9382, 0.3142,
0.4147

■ 28.0564, 0.3038,
0.5194

■ 28.0564, 0.3038,
0.5194

■ 27.4135, 0.3024,
0.5500

■ 28.9193, 0.3054,
0.4851

■ 26.9676, 0.3012,
0.5744

■ 30.0157, 0.3071,
0.4499

■ 26.6970, 0.3004,
0.5907

■ 31.3622, 0.3087,
0.4156

■ 26.5518, 0.3000,
0.6000

■ 32.9729, 0.3102,
0.3838

■ 34.8609, 0.3115,
0.3552

■ 37.0383, 0.3127,
0.3299

■ 39.5166, 0.3137,
0.3079

■ 42.3067, 0.3146,
0.2889

■ 45.4188, 0.3154,
0.2725

Harmonies

Analogous

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



28.0564, 0.3996, 0.5146



28.0564, 0.3038, 0.5194



28.0564, 0.2153, 0.4320

Triad

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



28.0564, 0.3038, 0.5194



28.0564, 0.1571, 0.1849



28.0564, 0.4918, 0.3101

Complementary

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



28.0564, 0.3038, 0.5194



14.3502, 0.3191, 0.1916

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.



28.0564, 0.4009, 0.2480



28.0564, 0.3038, 0.5194



28.0564, 0.2061, 0.1795

Square

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



28.0564, 0.3038, 0.5194



28.0564, 0.1413, 0.2247



28.0564, 0.2913, 0.2018



28.0564, 0.5187, 0.3797

Rectangle

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



28.0564, 0.3038, 0.5194



28.0564, 0.1733, 0.3488



28.0564, 0.2913, 0.2018



28.0564, 0.4670, 0.2883

Sweetspot

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



28.0576, 0.3038, 0.5194



60.5048, 0.3104, 0.3777



34.2389, 0.3976, 0.4655



13.0330, 0.3100, 0.3861



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.



28.0576, 0.3038, 0.5194



49.4816, 0.3020, 0.5580



28.8639, 0.2731, 0.4278



7.8951, 0.3116, 0.3522



20.3582, 0.3000, 0.6000



0.4278, 0.3000, 0.6000

Inverse Universe

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



14.3502, 0.3191, 0.1916



22.4145, 0.3200, 0.1726



12.9370, 0.3970, 0.2522



7.2021, 0.3138, 0.3068



8.1032, 0.3209, 0.1541



0.1703, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 28.0564, 0.3038, 0.5194 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 28.0564, 0.3038, 0.5194 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 28.0564, 0.3038, 0.5194

Background



This preview shows how black text looks on a background with the Yxy color 28.0564, 0.3038, 0.5194.



This preview shows how white text looks on a background with the Yxy color 28.0564, 0.3038, 0.5194.

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

28.0564, 0.3038, 0.5194

Protanopia

27.7359, 0.4130, 0.4535

Deuteranopia

27.6025, 0.4263, 0.4194



Tritanopia

27.9882, 0.2483, 0.3081

Trichromacy



Original Color

28.0564, 0.3038, 0.5194



Protanomaly

26.8301, 0.3655, 0.4815



Deuteranomaly

26.5439, 0.3739, 0.4576



Tritanomaly

27.7442, 0.2695, 0.3835

Monochromacy



Original Color

28.0564, 0.3038, 0.5194



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.9610, 0.3094, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0564, 0.3038, 0.5194 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(65, 164, 65)` looks like.

```
.text, #text, p{  
    color:rgb(65, 164, 65)  
}
```

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(65, 164, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 164, 65) }
```

Border

The CSS property to change the border of an element to Yxy 28.0564, 0.3038, 0.5194 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(65, 164, 65) }
```

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

```
.border{ border-color:rgb(65, 164, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 164, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 164, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 164, 65);  
box-shadow:4px 4px 4px 4px rgb(65, 164,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0564, 0.3038, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 164, 65) }
```

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

```
.background{ background-color: rgb(65, 164,  
65) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor