

Converting Colors

$Y_{xy}(28.1647, 0.3279, 0.5670)$

Have a look what the booklet for
Yxy(28.1647, 0.3279, 0.5670)
contains.

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Color

Yxy(28.0573, 0.3278, 0.5668)

Conversions

Conversions Part 1

Format	Color
Hex	4AA414
RGB	74, 164, 20
RGB Percent	29%, 64%, 8%
CMY	0.7097, 0.3569, 0.9219
CMYK	0.55, 0.00, 0.88, 0.36
HSL	97°, 78%, 36%
HSV	97°, 88%, 64%
XYZ	16.2265, 28.0573, 5.2174
YIQ	120.6740, -7.4160, -63.8640

Conversions

Conversions Part 2

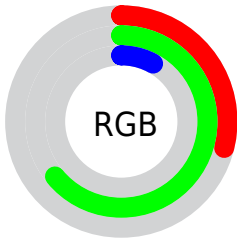
Format	Color
R_{YB}	20, 164, 110
Decimal	4891668
CIE _{Lab}	59.94, -49.96, 58.29
CIE _{LCh}	60, 76.767, 130.598
Yxy	28.0573, 0.3278, 0.5668
Android (android.graphics.Color)	4283081748 (0xFF4AA414)
YUV	120.6740, -49.6323, -40.9331
Hunter-Lab	52.9691, -38.0145, 31.2384

Details

The Yxy color **28.0573, 0.3278, 0.5668** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.4849, 0.2407, 0.1168**, and the grayscale version is **19.1740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6860, 0.3324, 0.5150**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.6419, 0.3230, 0.5800**, and if you desaturate by 10%, it is **28.5778, 0.3313, 0.5479**.

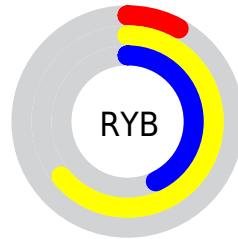
Distribution



Red (29%)

Green (64%)

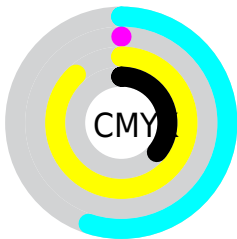
Blue (8%)



Red (8%)

Yellow (64%)

Blue (43%)

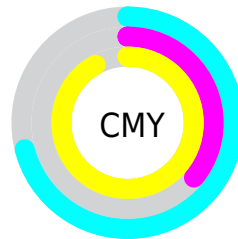


Cyan (55%)

Magenta (0%)

Yellow (88%)

Black (36%)



Cyan (71%)


Magenta (36%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0573, 0.3278, 0.5668 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 28.0573, 0.3278, 0.5668 by changing the saturation by 10% instead.


 28.0573, 0.3278,
0.5668


 28.0573, 0.3278,
0.5668

292.7406, 0.3305,
0.4320


 18.3689, 0.3210,
0.6031


 56.5759, 0.3327,
0.5150


 11.2151, 0.3077,
0.6495


 76.1749, 0.3332,
0.4963

 6.2117, 0.2844,
0.7156


 99.8461, 0.3332,
0.4808

 2.9742, 0.2282,
0.7718

 127.9741, 0.3328,
0.4678

 1.1183, 0.0000,
1.0000

 160.9431, 0.3323,
0.4568

 0.0000, 0.0000,
0.0000

 199.1376, 0.3317,

0.4473

242.9420, 0.3311,
0.4392

28.0573, 0.3278,
0.5668

28.0573, 0.3278,
0.5668

27.6419, 0.3230,
0.5800

28.5778, 0.3313,
0.5479

27.5626, 0.3220,
0.5825

29.2124, 0.3331,
0.5237

29.9705, 0.3331,
0.4955

30.8595, 0.3316,
0.4650

31.8861, 0.3288,
0.4340

■ 33.0567, 0.3252,
0.4036

■ 34.3770, 0.3209,
0.3749

■ 35.8523, 0.3164,
0.3482

■ 37.4880, 0.3117,
0.3240

Harmonies

Analogous

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



28.0573, 0.4347, 0.5221



28.0573, 0.3278, 0.5668



28.0573, 0.2225, 0.4957

Triad

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



28.0573, 0.3278, 0.5668



28.0573, 0.1280, 0.1717



28.0573, 0.4997, 0.2822

Complementary

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



28.0573, 0.3278, 0.5668



6.4849, 0.2407, 0.1168

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.



28.0573, 0.3773, 0.2180



28.0573, 0.3278, 0.5668



28.0573, 0.1701, 0.1576

Square

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



28.0573, 0.3278, 0.5668



28.0573, 0.1200, 0.2273



28.0573, 0.2535, 0.1742



28.0573, 0.5527, 0.3557

Rectangle

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



28.0573, 0.3278, 0.5668



28.0573, 0.1682, 0.3944



28.0573, 0.2535, 0.1742



28.0573, 0.4636, 0.2593

Sweetspot

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



28.0585, 0.3278, 0.5668



60.3150, 0.3246, 0.3996



18.8301, 0.4867, 0.4389



13.0253, 0.3259, 0.4093



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.



28.0585, 0.3278, 0.5668



49.9195, 0.3208, 0.5835



26.8310, 0.2962, 0.5721



8.0186, 0.3170, 0.3518



21.1586, 0.3227, 0.5820



0.4710, 0.3528, 0.5581

Inverse Universe

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



6.4849, 0.2407, 0.1168



9.9132, 0.2278, 0.1029



10.5023, 0.3476, 0.1752



7.0686, 0.3080, 0.3064



4.2671, 0.2302, 0.1042



0.1153, 0.2642, 0.1229

Previews

White Background



This preview shows how the Yxy color 28.0573, 0.3278, 0.5668 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 28.0573, 0.3278, 0.5668 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 28.0573, 0.3278, 0.5668

Background



This preview shows how black text looks on a background with the Yxy color 28.0573, 0.3278, 0.5668.



This preview shows how white text looks on a background with the Yxy color 28.0573, 0.3278, 0.5668.

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

28.0573, 0.3278, 0.5668

Protanopia

27.6544, 0.4378, 0.4855

Deuteranopia

27.4581, 0.4574, 0.4487



Tritanopia

28.0957, 0.2548, 0.3084

Trichromacy



Original Color

28.0573, 0.3278, 0.5668

Protanomaly

26.9135, 0.3927, 0.5191

Deuteranomaly

26.3248, 0.4049, 0.4952

Tritanomaly

27.4076, 0.2889, 0.4145

Monochromacy



Original Color

28.0573, 0.3278, 0.5668

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.4745, 0.3290, 0.4347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0573, 0.3278, 0.5668 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(74, 164, 20)` looks like.

```
.text, #text, p{  
    color:rgb(74, 164, 20)  
}
```

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(74, 164, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 164, 20) }
```

Border

The CSS property to change the border of an element to Yxy 28.0573, 0.3278, 0.5668 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(74, 164, 20) }
```

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

```
.border{ border-color:rgb(74, 164, 20) }
```

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

Here you see how a box with a 4 pixel rgb(74, 164, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 164, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 164, 20);  
box-shadow:4px 4px 4px 4px rgb(74, 164,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0573, 0.3278, 0.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 164, 20) }
```

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

```
.background{ background-color: rgb(74, 164,  
20) }
```

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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