

Converting Colors

$Y_{xy}(20.3852, 0.3079, 0.5539)$

Have a look what the booklet for
Yxy(20.3852, 0.3079, 0.5539)
contains.

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Color

Yxy(20.3828, 0.3079, 0.5539)

Conversions

Conversions Part 1

Format	Color
Hex	2F8F25
RGB	47, 143, 37
RGB Percent	18%, 56%, 15%
CMY	0.8155, 0.4392, 0.8550
CMYK	0.67, 0.00, 0.74, 0.44
HSL	114°, 59%, 35%
HSV	114°, 74%, 56%
XYZ	11.3303, 20.3828, 5.0856
YIQ	102.2120, -23.1900, -53.3180

Conversions

Conversions Part 2

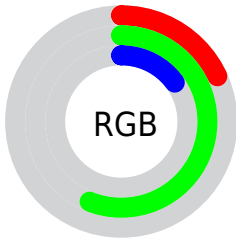
Format	Color
R_{YB}	37, 143, 133
Decimal	3116837
CIE _{Lab}	52.27, -48.18, 45.68
CIE _{LCh}	52, 66.389, 136.527
Yxy	20.3828, 0.3079, 0.5539
Android (android.graphics.Color)	4281306917 (0xFF2F8F25)
YUV	102.2120, -32.1495, -48.4209
Hunter-Lab	45.1473, -34.2108, 24.9244

Details

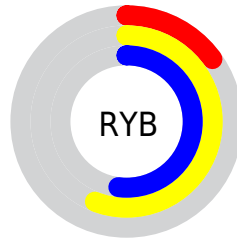
The Yxy color **20.3828, 0.3079, 0.5539** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.2855, 0.3035, 0.1646**, and the grayscale version is **13.4397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1736, 0.3153, 0.4985**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.0472, 0.3058, 0.5763**, and if you desaturate by 10%, it is **20.8466, 0.3097, 0.5254**.

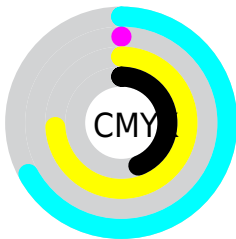
Distribution



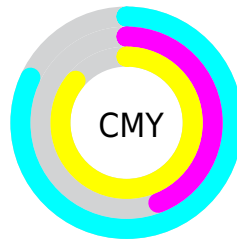
- Red (18%)
- Green (56%)
- Blue (15%)



- Red (15%)
- Yellow (56%)
- Blue (52%)



- Cyan (67%)
- Magenta (0%)
- Yellow (74%)
- Black (44%)





- Cyan (82%)
- Magenta (44%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3828, 0.3079, 0.5539 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 20.3828, 0.3079, 0.5539 by changing the saturation by 10% instead.


 20.3828, 0.3079,
0.5539


 20.3828, 0.3079,
0.5539


253.9800, 0.3190,
0.4182


 12.6736, 0.2989,
0.5958


 44.0581, 0.3156,
0.4984

 7.2042, 0.2823,
0.6545


 60.7929, 0.3172,
0.4794


 3.5901, 0.2522,
0.7478

 81.3051, 0.3181,
0.4641

 1.4470, 0.0734,
0.9266

 105.9790, 0.3187,
0.4516

 0.2510, 0.0000,
1.0000

 135.1991, 0.3189,
0.4411

 0.0000, 0.0000,
0.0000

 169.3496, 0.3191,

0.4323

208.8151, 0.3191,
0.4247

■ 20.3828, 0.3079,
0.5539

■ 20.3828, 0.3079,
0.5539

■ 20.0472, 0.3058,
0.5763

■ 20.8466, 0.3097,
0.5254

■ 19.8242, 0.3036,
0.5911

■ 21.4470, 0.3112,
0.4930

■ 19.7346, 0.3028,
0.5978

■ 22.1947, 0.3122,
0.4591

■ 23.0985, 0.3128,
0.4256

■ 24.1666, 0.3131,
0.3939

■ 25.4067, 0.3131,
0.3649

■ 26.8259, 0.3129,
0.3389

■ 28.4309, 0.3125,
0.3159

■ 30.2281, 0.3120,
0.2958

Harmonies

Analogous

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



20.3828, 0.4134, 0.5307



20.3828, 0.3079, 0.5539



20.3828, 0.2088, 0.4618

Triad

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



20.3828, 0.3079, 0.5539



20.3828, 0.1381, 0.1709



20.3828, 0.5098, 0.2981

Complementary

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



20.3828, 0.3079, 0.5539



8.2855, 0.3035, 0.1646

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.



20.3828, 0.4008, 0.2325



20.3828, 0.3079, 0.5539



20.3828, 0.1869, 0.1632

Square

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



20.3828, 0.3079, 0.5539



20.3828, 0.1240, 0.2164



20.3828, 0.2769, 0.1848



20.3828, 0.5448, 0.3718

Rectangle

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



20.3828, 0.3079, 0.5539



20.3828, 0.1611, 0.3629



20.3828, 0.2769, 0.1848



20.3828, 0.4795, 0.2750

Sweetspot

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



20.3837, 0.3079, 0.5539



43.6294, 0.3131, 0.3889



22.5834, 0.4194, 0.4744



9.8912, 0.3131, 0.3961



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.3837, 0.3079, 0.5539



35.6123, 0.3043, 0.5871



20.6077, 0.2765, 0.4745



6.0524, 0.3130, 0.3516



17.4542, 0.3030, 0.5976



0.1708, 0.3166, 0.5868

Inverse Universe

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



8.2855, 0.3035, 0.1646



12.6603, 0.2997, 0.1471



8.0931, 0.4042, 0.2285



5.4854, 0.3123, 0.3072



5.9135, 0.2977, 0.1414



0.0614, 0.3100, 0.1481

Previews

White Background



This preview shows how the Yxy color 20.3828, 0.3079, 0.5539 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 20.3828, 0.3079, 0.5539 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 20.3828, 0.3079, 0.5539

Background



This preview shows how black text looks on a background with the Yxy color 20.3828, 0.3079, 0.5539.



This preview shows how white text looks on a background with the Yxy color 20.3828, 0.3079, 0.5539.

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

20.3828, 0.3079, 0.5539

Protanopia

20.0086, 0.4273, 0.4719

Deuteranopia

20.0321, 0.4433, 0.4370



Tritanopia

20.2051, 0.2457, 0.3070

Trichromacy



Original Color

20.3828, 0.3079, 0.5539

Protanomaly

19.4123, 0.3750, 0.5073

Deuteranomaly

18.9980, 0.3846, 0.4840

Tritanomaly

20.0012, 0.2716, 0.3991

Monochromacy



Original Color

20.3828, 0.3079, 0.5539

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.0665, 0.3132, 0.4208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3828, 0.3079, 0.5539 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(47, 143, 37)` looks like.

```
.text, #text, p{  
    color:rgb(47, 143, 37)  
}
```

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(47, 143, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 143, 37) }
```

Border

The CSS property to change the border of an element to Yxy 20.3828, 0.3079, 0.5539 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(47, 143, 37) }
```

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

```
.border{ border-color:rgb(47, 143, 37) }
```

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

Here you see how a box with a 4 pixel rgb(47, 143, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 143, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 143, 37);  
box-shadow:4px 4px 4px 4px rgb(47, 143,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3828, 0.3079, 0.5539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 143, 37) }
```

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

```
.background{ background-color: rgb(47, 143,  
37) }
```

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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