

Converting Colors

$Y_{xy}(20.9136, 0.3070, 0.5681)$

Have a look what the booklet for
Yxy(20.9136, 0.3070, 0.5681)
contains.

Yxy(20.8109, 0.3072, 0.5677)	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

Yxy(20.8109, 0.3072, 0.5677)

Conversions

Conversions Part 1

Format	Color
Hex	29911D
RGB	41, 145, 29
RGB Percent	16%, 57%, 11%
CMY	0.8392, 0.4314, 0.8862
CMYK	0.72, 0.00, 0.80, 0.43
HSL	114°, 67%, 34%
HSV	114°, 80%, 57%
XYZ	11.2614, 20.8109, 4.5859
YIQ	100.6800, -24.7480, -58.1240

Conversions

Conversions Part 2

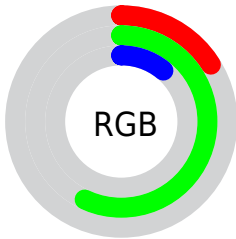
Format	Color
R _Y B	29, 145, 133
Decimal	2724125
CIE Lab	52.74, -50.72, 48.93
CIE LCh	53, 70.481, 136.029
Yxy	20.8109, 0.3072, 0.5677
Android (android.graphics.Color)	4280914205 (0xFF29911D)
YUV	100.6800, -35.3382, -52.3394
Hunter-Lab	45.6190, -35.7690, 25.9730

Details


The Yxy color **20.8109, 0.3072, 0.5677** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.9116, 0.3006, 0.1562**, and the grayscale version is **13.0247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8167, 0.3160, 0.5093**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.5316, 0.3049, 0.5857**, and if you desaturate by 10%, it is **21.2141, 0.3093, 0.5426**.

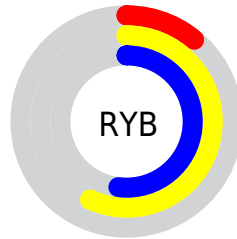
Distribution



 Red (16%)

 Green (57%)

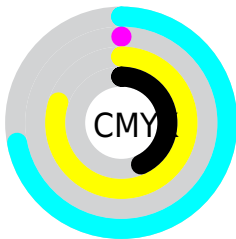
 Blue (11%)




 Red (11%)

 Yellow (57%)

 Blue (52%)

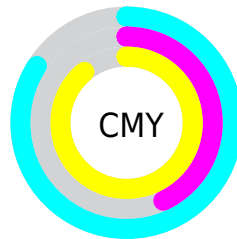


 Cyan (72%)

 Magenta (0%)

 Yellow (80%)

 Black (43%)



 Cyan (84%)


 Magenta (43%)


 Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8109, 0.3072, 0.5677 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 20.8109, 0.3072, 0.5677 by changing the saturation by 10% instead.


 20.8109, 0.3072,
0.5677


 20.8109, 0.3072,
0.5677


256.2718, 0.3200,
0.4242


 12.9858, 0.2970,
0.6111


 44.7726, 0.3160,
0.5095


 7.4188, 0.2792,
0.6731


 61.6781, 0.3179,
0.4894

 3.7254, 0.2429,
0.7571

 82.3791, 0.3189,
0.4731

 1.5212, 0.0631,
0.9369

 107.2601, 0.3196,
0.4598

 0.3035, 0.0000,
1.0000

 136.7055, 0.3199,
0.4487

 0.0000, 0.0000,
0.0000

 171.0996, 0.3200,

0.4393

210.8269, 0.3201,
0.4312

20.8109, 0.3072,
0.5677

20.8109, 0.3072,
0.5677

20.5316, 0.3049,
0.5857

21.2141, 0.3093,
0.5426

20.3532, 0.3031,
0.5976

21.7505, 0.3110,
0.5122

20.3532, 0.3031,
0.5976

22.4317, 0.3122,
0.4790

23.2672, 0.3130,
0.4451

24.2657, 0.3133,
0.4122

■ 25.4353, 0.3134,
0.3816

■ 26.7833, 0.3131,
0.3538

■ 28.3170, 0.3127,
0.3290

■ 30.0430, 0.3122,
0.3072

Harmonies

Analogous

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



20.8109, 0.4166, 0.5374



20.8109, 0.3072, 0.5677



20.8109, 0.2044, 0.4725

Triad

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



20.8109, 0.3072, 0.5677



20.8109, 0.1312, 0.1648



20.8109, 0.5187, 0.2942

Complementary

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



20.8109, 0.3072, 0.5677



7.9116, 0.3006, 0.1562

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.



20.8109, 0.4027, 0.2272



20.8109, 0.3072, 0.5677



20.8109, 0.1804, 0.1568

Square

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



20.8109, 0.3072, 0.5677



20.8109, 0.1171, 0.2117



20.8109, 0.2728, 0.1786



20.8109, 0.5553, 0.3694

Rectangle

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



20.8109, 0.3072, 0.5677



20.8109, 0.1550, 0.3665



20.8109, 0.2728, 0.1786



20.8109, 0.4864, 0.2707

Sweetspot

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



20.8118, 0.3072, 0.5677



44.5664, 0.3134, 0.3951



22.4680, 0.4273, 0.4782



9.7682, 0.3134, 0.4049



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.



20.8118, 0.3072, 0.5677



36.5059, 0.3031, 0.5946



21.0004, 0.2778, 0.4922



6.0544, 0.3131, 0.3516



17.4629, 0.3033, 0.5974



0.1712, 0.3180, 0.5857

Inverse Universe

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



7.9116, 0.3006, 0.1562



12.3691, 0.2960, 0.1419



7.8297, 0.4101, 0.2223



5.4831, 0.3122, 0.3072



5.8319, 0.2957, 0.1403



0.0610, 0.3090, 0.1476

Previews

White Background



This preview shows how the Yxy color 20.8109, 0.3072, 0.5677 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 20.8109, 0.3072, 0.5677 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 20.8109, 0.3072, 0.5677

Background



This preview shows how black text looks on a background with the Yxy color 20.8109, 0.3072, 0.5677.



This preview shows how white text looks on a background with the Yxy color 20.8109, 0.3072, 0.5677.

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

20.8109, 0.3072, 0.5677

Protanopia

20.3959, 0.4328, 0.4776

Deuteranopia

20.4287, 0.4486, 0.4422



Tritanopia

20.7429, 0.2436, 0.3072

Trichromacy



Original Color

20.8109, 0.3072, 0.5677



Protanomaly

19.5804, 0.3769, 0.5173



Deuteranomaly

19.1493, 0.3864, 0.4936



Tritanomaly

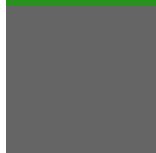
20.4052, 0.2709, 0.4081

Monochromacy



Original Color

20.8109, 0.3072, 0.5677



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

14.8928, 0.3128, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8109, 0.3072, 0.5677 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(41, 145, 29)` looks like.

```
.text, #text, p{  
    color:rgb(41, 145, 29)  
}
```

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(41, 145, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 145, 29) }
```

Border

The CSS property to change the border of an element to Yxy 20.8109, 0.3072, 0.5677 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(41, 145, 29) }
```

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

```
.border{ border-color:rgb(41, 145, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 145, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 145, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 145, 29);  
box-shadow:4px 4px 4px 4px rgb(41, 145,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8109, 0.3072, 0.5677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 145, 29) }
```

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

```
.background{ background-color: rgb(41, 145,  
29) }
```

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