

Converting Colors

$Y_{xy}(29.0768, 0.3289, 0.5563)$

Have a look what the booklet for
Yxy(29.0768, 0.3289, 0.5563)
contains.

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Color

Yxy(29.0768, 0.3289, 0.5563)

Conversions

Conversions Part 1

Format	Color
Hex	50A61F
RGB	80, 166, 31
RGB Percent	31%, 65%, 12%
CMY	0.6863, 0.3490, 0.8785
CMYK	0.52, 0.00, 0.81, 0.35
HSL	98°, 69%, 39%
HSV	98°, 81%, 65%
XYZ	17.1910, 29.0768, 6.0004
YIQ	124.8960, -7.9210, -60.2170

Conversions

Conversions Part 2

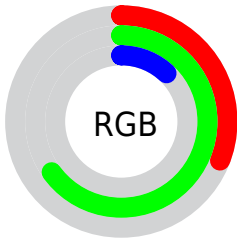
Format	Color
R_{YB}	31, 166, 117
Decimal	5285407
CIE Lab	60.85, -48.48, 56.39
CIE LCh	61, 74.367, 130.688
Yxy	29.0768, 0.3289, 0.5563
Android (android.graphics.Color)	4283475487 (0xFF50A61F)
YUV	124.8960, -46.2907, -39.3738
Hunter-Lab	53.9229, -37.4580, 31.1484

Details

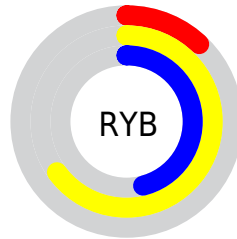
The Yxy color **29.0768, 0.3289, 0.5563** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.5128, 0.2494, 0.1274**, and the grayscale version is **20.6312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2655, 0.3324, 0.5070**, and **11.8361, 0.3013, 0.5989** is the 20% darker color. If you saturate the color by 10%, you get **28.5874, 0.3248, 0.5731**, and if you desaturate by 10%, it is **29.6862, 0.3314, 0.5336**.

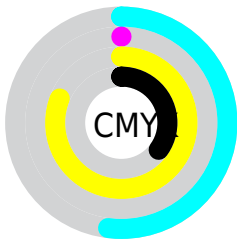
Distribution



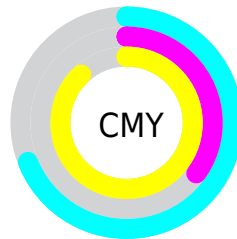
- Red (31%)
- Green (65%)
- Blue (12%)



- Red (12%)
- Yellow (65%)
- Blue (46%)



- Cyan (52%)
- Magenta (0%)
- Yellow (81%)
- Black (35%)





- Cyan (69%)
- Magenta (35%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0768, 0.3289, 0.5563 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 29.0768, 0.3289, 0.5563 by changing the saturation by 10% instead.

 29.0768, 0.3289,
0.5563


 29.0768, 0.3289,
0.5563


297.5772, 0.3299,
0.4279

 19.1389, 0.3232,
0.5910


 58.1991, 0.3327,
0.5069


 11.7707, 0.3117,
0.6353


 78.1523, 0.3330,
0.4891


 6.5877, 0.2943,
0.7057


 102.2127, 0.3328,
0.4744

 3.2056, 0.2417,
0.7583

 130.7648, 0.3324,
0.4620

 1.2400, 0.0000,
1.0000

 164.1928, 0.3318,
0.4515

 0.0940, 0.0000,
1.0000

 202.8813, 0.3312,

 0.0000, 0.0000,

0.4425

0.0000

247.2146, 0.3305,
0.4348

■ 29.0768, 0.3289,
0.5563

■ 29.0768, 0.3289,
0.5563

■ 28.5874, 0.3248,
0.5731

■ 29.6862, 0.3314,
0.5336

■ 28.2430, 0.3206,
0.5836

■ 30.4211, 0.3321,
0.5064

■ 31.2909, 0.3313,
0.4764

■ 32.3029, 0.3291,
0.4452

■ 33.4639, 0.3259,
0.4143

■ 34.7801, 0.3220,
0.3848

■ 36.2574, 0.3178,
0.3573

■ 37.9014, 0.3133,
0.3322

■ 39.7173, 0.3089,
0.3096

Harmonies

Analogous

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



29.0768, 0.4324, 0.5168



29.0768, 0.3289, 0.5563



29.0768, 0.2266, 0.4870

Triad

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



29.0768, 0.3289, 0.5563



29.0768, 0.1334, 0.1769



29.0768, 0.4922, 0.2848

Complementary

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



29.0768, 0.3289, 0.5563



7.5128, 0.2494, 0.1274

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.



29.0768, 0.3754, 0.2219



29.0768, 0.3289, 0.5563



29.0768, 0.1749, 0.1628

Square

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



29.0768, 0.3289, 0.5563



29.0768, 0.1258, 0.2316



29.0768, 0.2563, 0.1790



29.0768, 0.5438, 0.3570

Rectangle

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



29.0768, 0.3289, 0.5563



29.0768, 0.1736, 0.3915



29.0768, 0.2563, 0.1790



29.0768, 0.4578, 0.2623

Sweetspot

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



29.0780, 0.3289, 0.5563



62.3465, 0.3233, 0.3937



20.8111, 0.4717, 0.4407



13.7679, 0.3246, 0.4039



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.



29.0780, 0.3289, 0.5563



51.2755, 0.3204, 0.5826



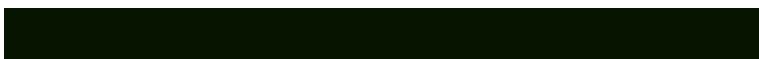
27.7865, 0.2949, 0.5554



8.5353, 0.3169, 0.3520



21.9242, 0.3213, 0.5831



0.5623, 0.3491, 0.5610

Inverse Universe

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



7.5128, 0.2494, 0.1274



10.6350, 0.2324, 0.1061



11.2242, 0.3487, 0.1815



7.5284, 0.3082, 0.3064



4.5257, 0.2329, 0.1057



0.1375, 0.2629, 0.1222

Previews

White Background



This preview shows how the Yxy color 29.0768, 0.3289, 0.5563 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 29.0768, 0.3289, 0.5563 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 29.0768, 0.3289, 0.5563

Background



This preview shows how black text looks on a background with the Yxy color 29.0768, 0.3289, 0.5563.



This preview shows how white text looks on a background with the Yxy color 29.0768, 0.3289, 0.5563.

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

29.0768, 0.3289, 0.5563

Protanopia

28.5249, 0.4337, 0.4800

Deuteranopia

28.7220, 0.4537, 0.4457



Tritanopia

29.1163, 0.2576, 0.3087

Trichromacy



Original Color

29.0768, 0.3289, 0.5563

Protanomaly

27.8529, 0.3905, 0.5112

Deuteranomaly

27.7591, 0.4040, 0.4879

Tritanomaly

28.5372, 0.2892, 0.4048

Monochromacy



Original Color

29.0768, 0.3289, 0.5563

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.7627, 0.3272, 0.4239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0768, 0.3289, 0.5563 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(80, 166, 31)` looks like.

```
.text, #text, p{  
    color:rgb(80, 166, 31)  
}
```

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(80, 166, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 166, 31) }
```

Border

The CSS property to change the border of an element to Yxy 29.0768, 0.3289, 0.5563 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(80, 166, 31) }
```

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

```
.border{ border-color:rgb(80, 166, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 166, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 166, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 166, 31);  
box-shadow:4px 4px 4px 4px rgb(80, 166,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0768, 0.3289, 0.5563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 166, 31) }
```

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

```
.background{ background-color: rgb(80, 166,  
31) }
```

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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