

Converting Colors

$Yxy(22.3970, 0.2894, 0.5149)$

Have a look what the booklet for
Yxy(22.3970, 0.2894, 0.5149)
contains.

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Color

Yxy(22.3162, 0.2894, 0.5147)

Conversions

Conversions Part 1

Format	Color
Hex	289540
RGB	40, 149, 64
RGB Percent	16%, 58%, 25%
CMY	0.8431, 0.4157, 0.7491
CMYK	0.73, 0.00, 0.57, 0.42
HSL	133°, 58%, 37%
HSV	133°, 73%, 58%
XYZ	12.5477, 22.3162, 8.4938
YIQ	106.7190, -37.6790, -49.5430

Conversions

Conversions Part 2

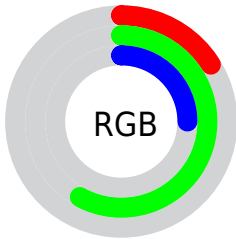
Format	Color
R_{YB}	40, 129, 149
Decimal	2659648
CIE _{Lab}	54.36, -48.69, 35.86
CIE _{LCh}	54, 60.466, 143.630
Yxy	22.3162, 0.2894, 0.5147
Android (android.graphics.Color)	4280849728 (0xFF289540)
YUV	106.7190, -21.0605, -58.5126
Hunter-Lab	47.2400, -35.2576, 22.4077

Details

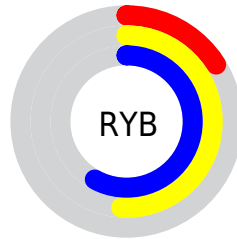
The Yxy color **22.3162, 0.2894, 0.5147** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.3894, 0.3619, 0.2016**, and the grayscale version is **14.6889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2254, 0.2988, 0.4686**, and **8.5811, 0.2946, 0.5807** is the 20% darker color. If you saturate the color by 10%, you get **21.9551, 0.2898, 0.5402**, and if you desaturate by 10%, it is **22.8218, 0.2903, 0.4868**.

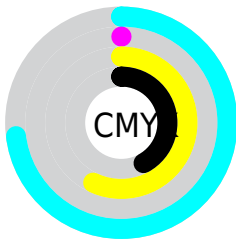
Distribution



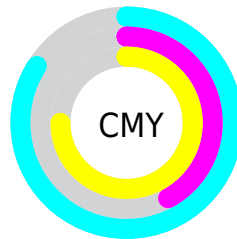
- Red (16%)
- Green (58%)
- Blue (25%)



- Red (16%)
- Yellow (51%)
- Blue (58%)



- Cyan (73%)
- Magenta (0%)
- Yellow (57%)
- Black (42%)





- Cyan (84%)
- Magenta (42%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3162, 0.2894, 0.5147 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 22.3162, 0.2894, 0.5147 by changing the saturation by 10% instead.


 22.3162, 0.2894,
0.5147


 22.3162, 0.2894,
0.5147


264.1931, 0.3077,
0.4030


 14.0894, 0.2809,
0.5503


 47.2681, 0.2984,
0.4687

 8.1829, 0.2666,
0.6010


 64.7619, 0.3010,
0.4531


 4.2122, 0.2436,
0.6864

 86.1136, 0.3029,
0.4406

 1.7930, 0.1525,
0.8475

 111.7075, 0.3044,
0.4304

 0.4828, 0.0000,
1.0000

 141.9280, 0.3055,
0.4218

 0.0000, 0.0000,
0.0000

 177.1595, 0.3064,

0.4146

217.7864, 0.3071,
0.4084

■ 22.3162, 0.2894,
0.5147

■ 22.3162, 0.2894,
0.5147

■ 21.9551, 0.2898,
0.5402

■ 22.8218, 0.2903,
0.4868

■ 21.7200, 0.2915,
0.5618

■ 23.4827, 0.2923,
0.4579

■ 21.6044, 0.2928,
0.5740

■ 24.3116, 0.2953,
0.4295

■ 25.3191, 0.2989,
0.4025

■ 26.5151, 0.3029,
0.3776

■ 27.9086, 0.3071,
0.3550

■ 29.5081, 0.3114,
0.3348

■ 31.3215, 0.3156,
0.3171

■ 33.3564, 0.3196,
0.3016

Harmonies

Analogous

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



22.3162, 0.3866, 0.5222



22.3162, 0.2894, 0.5147



22.3162, 0.2035, 0.4153

Triad

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



22.3162, 0.2894, 0.5147



22.3162, 0.1607, 0.1808



22.3162, 0.5023, 0.3195

Complementary

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



22.3162, 0.2894, 0.5147



9.3894, 0.3619, 0.2016

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.



22.3162, 0.4176, 0.2555



22.3162, 0.2894, 0.5147



22.3162, 0.2152, 0.1798

Square

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



22.3162, 0.2894, 0.5147



22.3162, 0.1402, 0.2151



22.3162, 0.3061, 0.2060



22.3162, 0.5186, 0.3902

Rectangle

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



22.3162, 0.2894, 0.5147



22.3162, 0.1651, 0.3314



22.3162, 0.3061, 0.2060



22.3162, 0.4805, 0.2971

Sweetspot

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



22.3171, 0.2894, 0.5147



47.6467, 0.3032, 0.3759



26.0383, 0.3801, 0.5038



10.4367, 0.3022, 0.3816



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.3171, 0.2894, 0.5147



39.0142, 0.2908, 0.5550



23.2580, 0.2524, 0.3939



6.4881, 0.3088, 0.3467



18.1862, 0.2925, 0.5730



0.2263, 0.2727, 0.5019

Inverse Universe

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



9.3894, 0.3619, 0.2016



14.4759, 0.3760, 0.1908



8.3615, 0.4851, 0.2839



5.8876, 0.3169, 0.3119



6.4479, 0.3840, 0.1889



0.0833, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 22.3162, 0.2894, 0.5147 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 22.3162, 0.2894, 0.5147 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 22.3162, 0.2894, 0.5147

Background



This preview shows how black text looks on a background with the Yxy color 22.3162, 0.2894, 0.5147.



This preview shows how white text looks on a background with the Yxy color 22.3162, 0.2894, 0.5147.

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

22.3162, 0.2894, 0.5147

Protanopia

21.8456, 0.4073, 0.4462

Deuteranopia

21.8900, 0.4194, 0.4113



Tritanopia

22.2557, 0.2408, 0.3077

Trichromacy



Original Color

22.3162, 0.2894, 0.5147



Protanomaly

20.9987, 0.3532, 0.4765



Deuteranomaly

20.5647, 0.3596, 0.4519



Tritanomaly

21.8764, 0.2583, 0.3794

Monochromacy



Original Color

22.3162, 0.2894, 0.5147



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.5134, 0.3002, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3162, 0.2894, 0.5147 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(40, 149, 64)` looks like.

```
.text, #text, p{  
    color:rgb(40, 149, 64)  
}
```

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(40, 149, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 149, 64) }
```

Border

The CSS property to change the border of an element to Yxy 22.3162, 0.2894, 0.5147 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(40, 149, 64) }
```

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

```
.border{ border-color:rgb(40, 149, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 149, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 149, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 149, 64);  
box-shadow:4px 4px 4px 4px rgb(40, 149,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3162, 0.2894, 0.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 149, 64) }
```

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

```
.background{ background-color: rgb(40, 149,  
64) }
```

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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