

Converting Colors

$Yxy(22.8427, 0.2960, 0.5056)$

Have a look what the booklet for
Yxy(22.8427, 0.2960, 0.5056)
contains.

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Color

Yxy(22.6844, 0.2954, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	369543
RGB	54, 149, 67
RGB Percent	21%, 58%, 26%
CMY	0.7885, 0.4157, 0.7372
CMYK	0.64, 0.00, 0.55, 0.42
HSL	128°, 47%, 40%
HSV	128°, 64%, 58%
XYZ	13.2798, 22.6844, 8.9910
YIQ	111.2470, -30.2980, -45.6420

Conversions

Conversions Part 2

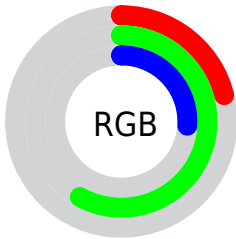
Format	Color
R_{YB}	54, 138, 149
Decimal	3577155
CIE _{Lab}	54.75, -45.49, 34.88
CIE _{LCh}	55, 57.324, 142.517
Yxy	22.6844, 0.2954, 0.5046
Android (android.graphics.Color)	4281767235 (0xFF369543)
YUV	111.2470, -21.8138, -50.2056
Hunter-Lab	47.6281, -33.5795, 22.1472

Details

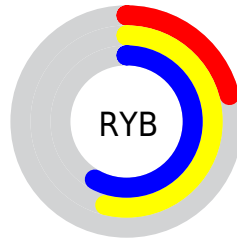
The Yxy color **22.6844, 0.2954, 0.5046** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.7985, 0.3403, 0.2024**, and the grayscale version is **16.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8496, 0.3026, 0.4618**, and **8.5931, 0.2927, 0.5738** is the 20% darker color. If you saturate the color by 10%, you get **22.1973, 0.2946, 0.5336**, and if you desaturate by 10%, it is **23.3339, 0.2971, 0.4736**.

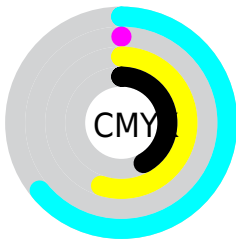
Distribution



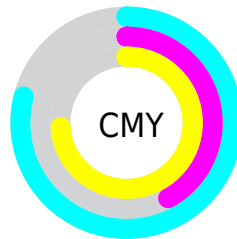
- Red (21%)
- Green (58%)
- Blue (26%)



- Red (21%)
- Yellow (54%)
- Blue (58%)



- Cyan (64%)
- Magenta (0%)
- Yellow (55%)
- Black (42%)




- Cyan (79%)
- Magenta (42%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6844, 0.2954, 0.5046 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 22.6844, 0.2954, 0.5046 by changing the saturation by 10% instead.


 22.6844, 0.2954,
0.5046


 22.6844, 0.2954,
0.5046


266.0998, 0.3098,
0.3996


 14.3606, 0.2884,
0.5379


 47.8746, 0.3027,
0.4615


 8.3719, 0.2763,
0.5851


 65.5098, 0.3048,
0.4469


 4.3338, 0.2557,
0.6613

 87.0177, 0.3062,
0.4351

 1.8620, 0.1915,
0.8085

 112.7825, 0.3073,
0.4254

 0.5254, 0.0000,
1.0000

 143.1887, 0.3082,
0.4174

 0.0000, 0.0000,
0.0000

178.6208, 0.3088,

0.4105

219.4630, 0.3094,
0.4047

■ 22.6844, 0.2954,
0.5046

■ 22.6844, 0.2954,
0.5046

■ 22.1973, 0.2946,
0.5336

■ 23.3339, 0.2971,
0.4736

■ 21.8555, 0.2948,
0.5586

■ 24.1555, 0.2994,
0.4425

■ 21.6430, 0.2959,
0.5780

■ 25.1615, 0.3022,
0.4125

■ 21.5496, 0.2964,
0.5872

■ 26.3621, 0.3053,
0.3846

■ 27.7670, 0.3084,
0.3593

■ 29.3850, 0.3116,
0.3368

■ 31.2247, 0.3146,
0.3170

■ 33.2938, 0.3174,
0.2998

■ 35.5999, 0.3201,
0.2848

Harmonies

Analogous

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



22.6844, 0.3882, 0.5110



22.6844, 0.2954, 0.5046



22.6844, 0.2122, 0.4145

Triad

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



22.6844, 0.2954, 0.5046



22.6844, 0.1661, 0.1882



22.6844, 0.4898, 0.3188

Complementary

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



22.6844, 0.2954, 0.5046



10.7985, 0.3403, 0.2024

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.



22.6844, 0.4082, 0.2572



22.6844, 0.2954, 0.5046



22.6844, 0.2175, 0.1858

Square

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



22.6844, 0.2954, 0.5046



22.6844, 0.1474, 0.2233



22.6844, 0.3032, 0.2102



22.6844, 0.5091, 0.3870

Rectangle

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



22.6844, 0.2954, 0.5046



22.6844, 0.1740, 0.3363



22.6844, 0.3032, 0.2102



22.6844, 0.4683, 0.2972

Sweetspot

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



22.6853, 0.2954, 0.5046



48.2707, 0.3067, 0.3731



27.0251, 0.3847, 0.4808



10.5567, 0.3058, 0.3798



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.



22.6853, 0.2954, 0.5046



39.4257, 0.2946, 0.5461



23.4982, 0.2617, 0.4017



6.4807, 0.3099, 0.3486



18.1378, 0.2962, 0.5864



0.2245, 0.2817, 0.5342

Inverse Universe

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



10.7985, 0.3403, 0.2024



16.3150, 0.3479, 0.1850



9.7408, 0.4342, 0.2727



5.8956, 0.3157, 0.3101



6.7038, 0.3580, 0.1746



0.0851, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 22.6844, 0.2954, 0.5046 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 22.6844, 0.2954, 0.5046 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 22.6844, 0.2954, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 22.6844, 0.2954, 0.5046.



This preview shows how white text looks on a background with the Yxy color 22.6844, 0.2954, 0.5046.

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

22.6844, 0.2954, 0.5046

Protanopia

22.2315, 0.4050, 0.4429

Deuteranopia

22.2806, 0.4165, 0.4080



Tritanopia

22.5683, 0.2460, 0.3080

Trichromacy



Original Color

22.6844, 0.2954, 0.5046

Protanomaly

21.6297, 0.3562, 0.4698

Deuteranomaly

21.2949, 0.3638, 0.4450

Tritanomaly

22.2662, 0.2648, 0.3763

Monochromacy



Original Color

22.6844, 0.2954, 0.5046

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.6671, 0.3039, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6844, 0.2954, 0.5046 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(54, 149, 67)` looks like.

```
.text, #text, p{  
    color:rgb(54, 149, 67)  
}
```

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(54, 149, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 149, 67) }
```

Border

The CSS property to change the border of an element to Yxy 22.6844, 0.2954, 0.5046 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(54, 149, 67) }
```

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

```
.border{ border-color:rgb(54, 149, 67) }
```

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

Here you see how a box with a 4 pixel rgb(54, 149, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 149, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 149, 67);  
box-shadow:4px 4px 4px 4px rgb(54, 149,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6844, 0.2954, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 149, 67) }
```

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

```
.background{ background-color: rgb(54, 149,  
67) }
```

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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