

Converting Colors

$Y_{xy}(21.9816, 0.2883, 0.4533)$

Have a look what the booklet for
Yxy(21.9816, 0.2883, 0.4533)
contains.

Yxy(22.0627, 0.2884, 0.4537)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.0627, 0.2884, 0.4537)$

Conversions

Conversions Part 1

Format	Color
Hex	419157
RGB	65, 145, 87
RGB Percent	25%, 57%, 34%
CMY	0.7453, 0.4313, 0.6587
CMYK	0.55, 0.00, 0.40, 0.43
HSL	137°, 38%, 41%
HSV	137°, 55%, 57%
XYZ	14.0244, 22.0627, 12.5413
YIQ	114.4680, -29.0620, -34.9980

Conversions

Conversions Part 2

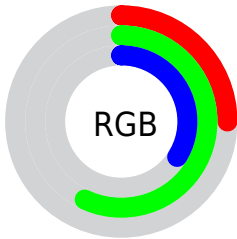
Format	Color
R _{YB}	65, 128, 145
Decimal	4297047
CIE Lab	54.09, -37.92, 23.54
CIE LCh	54, 44.629, 148.165
Yxy	22.0627, 0.2884, 0.4537
Android (android.graphics.Color)	4282487127 (0xFF419157)
YUV	114.4680, -13.5417, -43.3834
Hunter-Lab	46.9709, -28.9032, 17.0492

Details

The Yxy color **22.0627, 0.2884, 0.4537** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.2249, 0.3545, 0.2322**, and the grayscale version is **17.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0366, 0.2957, 0.4244**, and **8.1586, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **21.4716, 0.2863, 0.4808**, and if you desaturate by 10%, it is **22.8077, 0.2916, 0.4271**.

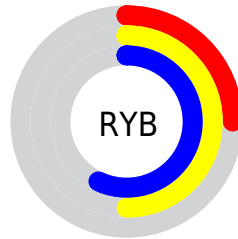
Distribution



Red (25%)

Green (57%)

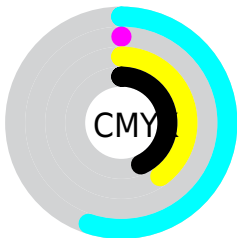
Blue (34%)



Red (25%)

Yellow (50%)

Blue (57%)

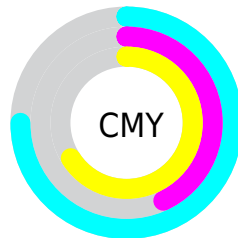


Cyan (55%)

Magenta (0%)

Yellow (40%)

Black (43%)



Cyan (75%)


Magenta (43%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0627, 0.2884, 0.4537 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 22.0627, 0.2884, 0.4537 by changing the saturation by 10% instead.


 22.0627, 0.2884,
0.4537


 22.0627, 0.2884,
0.4537


262.8735, 0.3044,
0.3794


 13.9030, 0.2824,
0.4776


 46.8496, 0.2955,
0.4231


 8.0532, 0.2729,
0.5124


 64.2456, 0.2977,
0.4128


 4.1290, 0.2562,
0.5668

 85.4891, 0.2995,
0.4045

 1.7460, 0.2365,
0.7410

 110.9645, 0.3009,
0.3977

 0.4532, 0.0000,
1.0000

 141.0563, 0.3020,
0.3920

 0.0000, 0.0000,
0.0000

176.1488, 0.3029,

0.3872

216.6264, 0.3037,
0.3830

■ 22.0627, 0.2884,
0.4537

■ 22.0627, 0.2884,
0.4537

■ 21.4716, 0.2863,
0.4808

■ 22.8077, 0.2916,
0.4271

■ 21.0205, 0.2856,
0.5072

■ 23.7137, 0.2956,
0.4018

■ 20.6979, 0.2863,
0.5316

■ 24.7906, 0.3002,
0.3784

■ 20.4871, 0.2885,
0.5530

■ 26.0468, 0.3051,
0.3571

■ 20.4056, 0.2895,
0.5621

■ 27.4902, 0.3101,
0.3380

■ 29.1280, 0.3151,
0.3212

■ 30.9672, 0.3199,
0.3063

■ 33.0144, 0.3246,
0.2933

■ 35.2759, 0.3290,
0.2820

Harmonies

Analogous

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



22.0627, 0.3645, 0.4764



22.0627, 0.2884, 0.4537



22.0627, 0.2230, 0.3789

Triad

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



22.0627, 0.2884, 0.4537



22.0627, 0.1981, 0.2114



22.0627, 0.4597, 0.3350

Complementary

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



22.0627, 0.2884, 0.4537



11.2249, 0.3545, 0.2322

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.



22.0627, 0.4030, 0.2805



22.0627, 0.2884, 0.4537



22.0627, 0.2476, 0.2128

Square

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



22.0627, 0.2884, 0.4537



22.0627, 0.1768, 0.2373



22.0627, 0.3217, 0.2374



22.0627, 0.4682, 0.3933

Rectangle

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



22.0627, 0.2884, 0.4537



22.0627, 0.1939, 0.3212



22.0627, 0.3217, 0.2374



22.0627, 0.4455, 0.3161

Sweetspot

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



22.0636, 0.2884, 0.4537



46.1298, 0.3040, 0.3615



24.8936, 0.3648, 0.4695



10.1724, 0.3032, 0.3651



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.



22.0636, 0.2884, 0.4537



38.2527, 0.2860, 0.4866



22.8899, 0.2579, 0.3668



6.0523, 0.3081, 0.3453



17.5050, 0.2892, 0.5610



0.1707, 0.2674, 0.4825

Inverse Universe

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



11.2249, 0.3545, 0.2322



16.8105, 0.3674, 0.2158



10.4308, 0.4316, 0.2971



5.4860, 0.3176, 0.3132



6.0432, 0.4030, 0.1994



0.0615, 0.3583, 0.1748

Previews

White Background



This preview shows how the Yxy color 22.0627, 0.2884, 0.4537 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 22.0627, 0.2884, 0.4537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

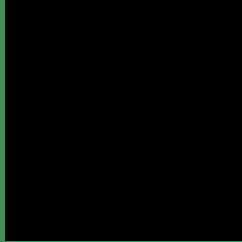
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0627, 0.2884, 0.4537

Background



This preview shows how black text looks on a background with the Yxy color 22.0627, 0.2884, 0.4537.



This preview shows how white text looks on a background with the Yxy color 22.0627, 0.2884, 0.4537.

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

22.0627, 0.2884, 0.4537

Protanopia

21.8700, 0.3805, 0.4129

Deuteranopia

21.7109, 0.3886, 0.3808



Tritanopia

22.0962, 0.2495, 0.3079

Trichromacy



Original Color

22.0627, 0.2884, 0.4537

Protanomaly

21.4632, 0.3412, 0.4299

Deuteranomaly

21.0357, 0.3454, 0.4071

Tritanomaly

22.0520, 0.2638, 0.3592

Monochromacy



Original Color

22.0627, 0.2884, 0.4537

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.1535, 0.3013, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0627, 0.2884, 0.4537 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(65, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(65, 145, 87)  
}
```

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(65, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 145, 87) }
```

Border

The CSS property to change the border of an element to Yxy 22.0627, 0.2884, 0.4537 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(65, 145, 87) }
```

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

```
.border{ border-color:rgb(65, 145, 87) }
```

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

Here you see how a box with a 4 pixel rgb(65, 145, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(65, 145,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0627, 0.2884, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 145, 87) }
```

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

```
.background{ background-color: rgb(65, 145,  
87) }
```

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