

Converting Colors

$Y_{xy}(22.1301, 0.2844, 0.4592)$

Have a look what the booklet for
Yxy(22.1301, 0.2844, 0.4592)
contains.

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Color

Yxy(22.1292, 0.2844, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	3A9256
RGB	58, 146, 86
RGB Percent	23%, 57%, 34%
CMY	0.7724, 0.4275, 0.6627
CMYK	0.60, 0.00, 0.41, 0.43
HSL	139°, 43%, 40%
HSV	139°, 60%, 57%
XYZ	13.7055, 22.1292, 12.3561
YIQ	112.8480, -33.1880, -37.3160

Conversions

Conversions Part 2

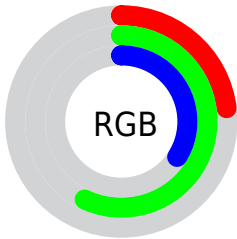
Format	Color
RYB	58, 125, 146
Decimal	3838550
CIELab	54.16, -40.24, 24.14
CIElCh	54, 46.925, 149.035
Yxy	22.1292, 0.2844, 0.4592
Android (android.graphics.Color)	4282028630 (0xFF3A9256)
YUV	112.8480, -13.2361, -48.1017
Hunter-Lab	47.0417, -30.3175, 17.3559

Details

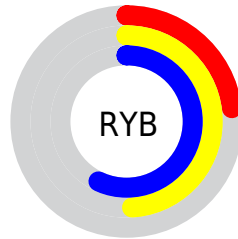
The Yxy color **22.1292, 0.2844, 0.4592** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.4490, 0.3667, 0.2303**, and the grayscale version is **16.5168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0616, 0.2925, 0.4283**, and **8.1519, 0.2768, 0.5165** is the 20% darker color. If you saturate the color by 10%, you get **21.6031, 0.2828, 0.4848**, and if you desaturate by 10%, it is **22.8036, 0.2874, 0.4337**.

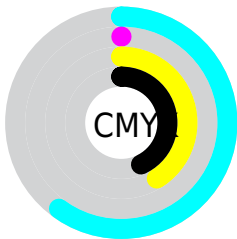
Distribution



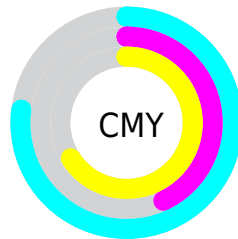
- Red (23%)
- Green (57%)
- Blue (34%)



- Red (23%)
- Yellow (49%)
- Blue (57%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (43%)



- Cyan (77%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1292, 0.2844, 0.4592 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 22.1292, 0.2844, 0.4592 by changing the saturation by 10% instead.


 22.1292, 0.2844,
0.4592


 22.1292, 0.2844,
0.4592


263.2202, 0.3028,
0.3815


 13.9519, 0.2776,
0.4843


 46.9594, 0.2925,
0.4272

 8.0872, 0.2669,
0.5207


 64.3811, 0.2951,
0.4164

 4.1508, 0.2484,
0.5778

 85.6531, 0.2971,
0.4077

 1.7583, 0.2223,
0.7692

 111.1597, 0.2987,
0.4006

 0.4610, 0.0000,
1.0000

 141.2853, 0.3000,
0.3946

 0.0000, 0.0000,
0.0000

176.4143, 0.3011,

0.3896

216.9312, 0.3020,
0.3852

■ 22.1292, 0.2844,
0.4592

■ 22.1292, 0.2844,
0.4592

■ 21.6031, 0.2828,
0.4848

■ 22.8036, 0.2874,
0.4337

■ 21.2108, 0.2827,
0.5096

■ 23.6340, 0.2914,
0.4092

■ 20.9396, 0.2843,
0.5324

■ 24.6307, 0.2962,
0.3863

■ 20.7581, 0.2867,
0.5520

■ 25.8024, 0.3015,
0.3653

■ 27.1572, 0.3070,
0.3463

■ 28.7025, 0.3126,
0.3294

■ 30.4455, 0.3181,
0.3145

■ 32.3929, 0.3235,
0.3013

■ 34.5513, 0.3286,
0.2899

Harmonies

Analogous

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



22.1292, 0.3638, 0.4841



22.1292, 0.2844, 0.4592



22.1292, 0.2171, 0.3787

Triad

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



22.1292, 0.2844, 0.4592



22.1292, 0.1943, 0.2060



22.1292, 0.4680, 0.3362

Complementary

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



22.1292, 0.2844, 0.4592



10.4490, 0.3667, 0.2303

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.



22.1292, 0.4098, 0.2797



22.1292, 0.2844, 0.4592



22.1292, 0.2464, 0.2085

Square

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



22.1292, 0.2844, 0.4592



22.1292, 0.1715, 0.2316



22.1292, 0.3244, 0.2346



22.1292, 0.4748, 0.3968

Rectangle

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



22.1292, 0.2844, 0.4592



22.1292, 0.1877, 0.3177



22.1292, 0.3244, 0.2346



22.1292, 0.4537, 0.3166

Sweetspot

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



22.1301, 0.2844, 0.4592



45.9448, 0.3025, 0.3615



24.7248, 0.3630, 0.4842



10.0896, 0.3011, 0.3668



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.



22.1301, 0.2844, 0.4592



37.8642, 0.2826, 0.4929



23.0662, 0.2515, 0.3616



6.4970, 0.3076, 0.3445



18.2713, 0.2864, 0.5511



0.2285, 0.2635, 0.4688

Inverse Universe

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



10.4490, 0.3667, 0.2303



15.3710, 0.3838, 0.2159



9.6372, 0.4588, 0.3026



5.8781, 0.3183, 0.3140



6.1841, 0.4186, 0.2080



0.0811, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 22.1292, 0.2844, 0.4592 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 22.1292, 0.2844, 0.4592 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 22.1292, 0.2844, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 22.1292, 0.2844, 0.4592.



This preview shows how white text looks on a background with the Yxy color 22.1292, 0.2844, 0.4592.

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

22.1292, 0.2844, 0.4592

Protanopia

21.8405, 0.3826, 0.4162

Deuteranopia

21.6936, 0.3898, 0.3825



Tritanopia

22.2037, 0.2456, 0.3078

Trichromacy



Original Color

22.1292, 0.2844, 0.4592

Protanomaly

21.2521, 0.3386, 0.4330

Deuteranomaly

20.8054, 0.3427, 0.4100

Tritanomaly

22.1435, 0.2590, 0.3594

Monochromacy



Original Color

22.1292, 0.2844, 0.4592

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.9737, 0.2990, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1292, 0.2844, 0.4592 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(58, 146, 86)` looks like.

```
.text, #text, p{  
    color:rgb(58, 146, 86)  
}
```

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(58, 146, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 146, 86) }
```

Border

The CSS property to change the border of an element to Yxy 22.1292, 0.2844, 0.4592 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(58, 146, 86) }
```

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

```
.border{ border-color:rgb(58, 146, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 146, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 146, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 146, 86);  
box-shadow:4px 4px 4px 4px rgb(58, 146,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1292, 0.2844, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 146, 86) }
```

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

```
.background{ background-color: rgb(58, 146,  
86) }
```

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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