

Converting Colors

$Y_{xy}(22.0462, 0.2827, 0.4345)$

Have a look what the booklet for
Yxy(22.0462, 0.2827, 0.4345)
contains.

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Color

Yxy(21.9310, 0.2828, 0.4341)

Conversions

Conversions Part 1

Format	Color
Hex	42905F
RGB	66, 144, 95
RGB Percent	26%, 56%, 37%
CMY	0.7410, 0.4353, 0.6275
CMYK	0.54, 0.00, 0.34, 0.44
HSL	142°, 37%, 41%
HSV	142°, 54%, 56%
XYZ	14.2872, 21.9310, 14.3024
YIQ	115.0920, -30.7590, -31.7750

Conversions

Conversions Part 2

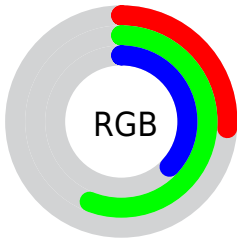
Format	Color
R _{YB}	66, 123, 144
Decimal	4362335
CIE _{Lab}	53.95, -35.67, 18.94
CIE _{LCh}	54, 40.390, 152.031
Y _{xy}	21.9310, 0.2828, 0.4341
Android (android.graphics.Color)	4282552415 (0xFF42905F)
Y _{UV}	115.0920, -9.9054, -43.0537
Hunter-Lab	46.8305, -27.4960, 14.6738

Details

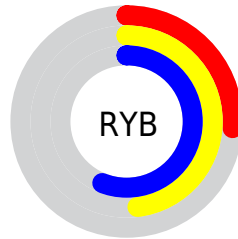
The Yxy color **21.9310, 0.2828, 0.4341** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.0703, 0.3668, 0.2453**, and the grayscale version is **17.2148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4566, 0.2906, 0.4075**, and **8.0421, 0.2679, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **21.3376, 0.2800, 0.4578**, and if you desaturate by 10%, it is **22.6713, 0.2869, 0.4112**.

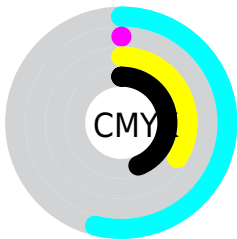
Distribution



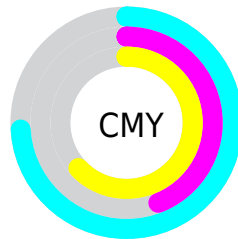
- Red (26%)
- Green (56%)
- Blue (37%)



- Red (26%)
- Yellow (48%)
- Blue (56%)



- Cyan (54%)
- Magenta (0%)
- Yellow (34%)
- Black (44%)





- Cyan (74%)
- Magenta (44%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9310, 0.2828, 0.4341 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 21.9310, 0.2828, 0.4341 by changing the saturation by 10% instead.


 21.9310, 0.2828,
0.4341


 21.9310, 0.2828,
0.4341


262.1857, 0.3013,
0.3718


 13.8062, 0.2764,
0.4542


 46.6319, 0.2906,
0.4085

 7.9860, 0.2668,
0.4834


 63.9769, 0.2932,
0.3998

 4.0860, 0.2508,
0.5295

 85.1639, 0.2953,
0.3928

 1.7218, 0.2232,
0.6432

 110.5776, 0.2969,
0.3871

 0.4377, 0.0000,
1.0000

 140.6022, 0.2983,
0.3823

 0.0000, 0.0000,
0.0000

175.6222, 0.2994,

0.3783

216.0219, 0.3004,
0.3748

■ 21.9310, 0.2828,
0.4341

■ 21.9310, 0.2828,
0.4341

■ 21.3376, 0.2800,
0.4578

■ 22.6713, 0.2869,
0.4112

■ 20.8780, 0.2787,
0.4816

■ 23.5651, 0.2920,
0.3895

■ 20.5416, 0.2791,
0.5046

■ 24.6217, 0.2977,
0.3696

■ 20.3139, 0.2812,
0.5259

■ 25.8490, 0.3038,
0.3514

■ 20.2073, 0.2826,
0.5375

■ 27.2543, 0.3101,
0.3352

■ 28.8445, 0.3164,
0.3207

■ 30.6260, 0.3226,
0.3080

■ 32.6051, 0.3286,
0.2968

■ 34.7877, 0.3344,
0.2870

Harmonies

Analogous

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



21.9310, 0.3525, 0.4626



21.9310, 0.2828, 0.4341



21.9310, 0.2249, 0.3642

Triad

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



21.9310, 0.2828, 0.4341



21.9310, 0.2118, 0.2196



21.9310, 0.4498, 0.3427

Complementary

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



21.9310, 0.2828, 0.4341



11.0703, 0.3668, 0.2453

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.



21.9310, 0.4032, 0.2910



21.9310, 0.2828, 0.4341



21.9310, 0.2611, 0.2236

Square

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



21.9310, 0.2828, 0.4341



21.9310, 0.1885, 0.2409



21.9310, 0.3310, 0.2490



21.9310, 0.4526, 0.3966

Rectangle

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



21.9310, 0.2828, 0.4341



21.9310, 0.2001, 0.3133



21.9310, 0.3310, 0.2490



21.9310, 0.4387, 0.3249

Sweetspot

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



21.9319, 0.2828, 0.4341



45.0912, 0.3024, 0.3553



24.0131, 0.3550, 0.4714



10.2474, 0.3013, 0.3585



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.



21.9319, 0.2828, 0.4341



37.4374, 0.2795, 0.4631



22.8162, 0.2528, 0.3496



6.0604, 0.3069, 0.3432



17.6016, 0.2823, 0.5364



0.1723, 0.2591, 0.4528

Inverse Universe

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



11.0703, 0.3668, 0.2453



16.1861, 0.3848, 0.2306



10.3590, 0.4440, 0.3114



5.4775, 0.3190, 0.3153



5.8189, 0.4386, 0.2190



0.0599, 0.3754, 0.1842

Previews

White Background



This preview shows how the Yxy color 21.9310, 0.2828, 0.4341 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 21.9310, 0.2828, 0.4341 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 21.9310, 0.2828, 0.4341

Background



This preview shows how black text looks on a background with the Yxy color 21.9310, 0.2828, 0.4341.



This preview shows how white text looks on a background with the Yxy color 21.9310, 0.2828, 0.4341.

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

21.9310, 0.2828, 0.4341

Protanopia

21.6319, 0.3720, 0.3998

Deuteranopia

21.5700, 0.3748, 0.3681



Tritanopia

21.7788, 0.2499, 0.3078

Trichromacy



Original Color

21.9310, 0.2828, 0.4341

Protanomaly

21.2503, 0.3323, 0.4131

Deuteranomaly

21.0364, 0.3343, 0.3922

Tritanomaly

21.8776, 0.2618, 0.3510

Monochromacy



Original Color

21.9310, 0.2828, 0.4341

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.5458, 0.2983, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9310, 0.2828, 0.4341 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(66, 144, 95)` looks like.

```
.text, #text, p{  
    color:rgb(66, 144, 95)  
}
```

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(66, 144, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 144, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.9310, 0.2828, 0.4341 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(66, 144, 95) }
```

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

```
.border{ border-color:rgb(66, 144, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 144, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 144, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 144, 95);  
box-shadow:4px 4px 4px 4px rgb(66, 144,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9310, 0.2828, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 144, 95) }
```

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

```
.background{ background-color: rgb(66, 144,  
95) }
```

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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