

Converting Colors

$Yxy(21.2455, 0.3000, 0.5678)$

Have a look what the booklet for
Yxy(21.2455, 0.3000, 0.5678)
contains.

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Color

Yxy(21.2385, 0.2999, 0.5679)

Conversions

Conversions Part 1

Format	Color
Hex	1D9321
RGB	29, 147, 33
RGB Percent	11%, 58%, 13%
CMY	0.8860, 0.4235, 0.8707
CMYK	0.80, 0.00, 0.78, 0.42
HSL	122°, 67%, 35%
HSV	122°, 80%, 58%
XYZ	11.2158, 21.2385, 4.9441
YIQ	98.7220, -33.7340, -60.4700

Conversions

Conversions Part 2

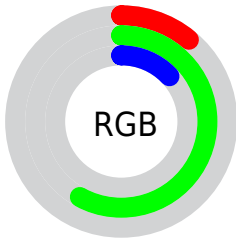
Format	Color
R_{YB}	29, 143, 147
Decimal	1938209
CIE _{Lab}	53.21, -53.07, 47.98
CIE _{LCh}	53, 71.542, 137.888
Yxy	21.2385, 0.2999, 0.5679
Android (android.graphics.Color)	4280128289 (0xFF1D9321)
YUV	98.7220, -32.4009, -61.1462
Hunter-Lab	46.0852, -37.2077, 25.8990

Details

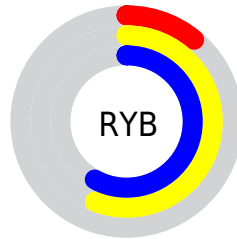
The Yxy color **21.2385, 0.2999, 0.5679** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.0710, 0.3268, 0.1700**, and the grayscale version is **12.4970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3997, 0.3099, 0.5093**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.0101, 0.2995, 0.5862**, and if you desaturate by 10%, it is **21.6045, 0.3008, 0.5424**.

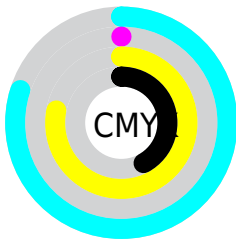
Distribution



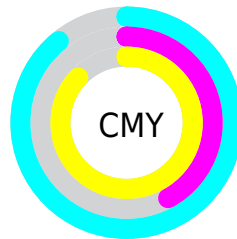
- Red (11%)
- Green (58%)
- Blue (13%)



- Red (11%)
- Yellow (56%)
- Blue (58%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (42%)





- Cyan (89%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2385, 0.2999, 0.5679 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 21.2385, 0.2999, 0.5679 by changing the saturation by 10% instead.


 21.2385, 0.2999,
0.5679


 21.2385, 0.2999,
0.5679


258.5433, 0.3165,
0.4240


 13.2984, 0.2890,
0.6118


 45.4841, 0.3100,
0.5093

 7.6344, 0.2697,
0.6731


 62.5585, 0.3124,
0.4892

 3.8619, 0.2348,
0.7652

 83.4464, 0.3140,
0.4729

 1.5966, 0.0558,
0.9442

 108.5323, 0.3150,
0.4596

 0.3553, 0.0000,
1.0000

 138.2005, 0.3156,
0.4485

 0.0000, 0.0000,
0.0000

 172.8355, 0.3161,

0.4390

212.8216, 0.3164,
0.4310

■ 21.2385, 0.2999,
0.5679

■ 21.2385, 0.2999,
0.5679

■ 21.0101, 0.2995,
0.5862

■ 21.6045, 0.3008,
0.5424

■ 20.8783, 0.2992,
0.5973

■ 22.1223, 0.3021,
0.5117

■ 22.8068, 0.3037,
0.4782

■ 23.6707, 0.3055,
0.4441

■ 24.7255, 0.3074,
0.4114

■ 25.9816, 0.3093,
0.3810

■ 27.4487, 0.3110,
0.3537

■ 29.1358, 0.3127,
0.3295

■ 31.0516, 0.3142,
0.3084

Harmonies

Analogous

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



21.2385, 0.4102, 0.5430



21.2385, 0.2999, 0.5679



21.2385, 0.1980, 0.4643

Triad

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



21.2385, 0.2999, 0.5679



21.2385, 0.1322, 0.1624



21.2385, 0.5253, 0.2983

Complementary

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



21.2385, 0.2999, 0.5679



9.0710, 0.3268, 0.1700

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.



21.2385, 0.4118, 0.2303



21.2385, 0.2999, 0.5679



21.2385, 0.1840, 0.1564

Square

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



21.2385, 0.2999, 0.5679



21.2385, 0.1159, 0.2064



21.2385, 0.2797, 0.1800



21.2385, 0.5562, 0.3741

Rectangle

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



21.2385, 0.2999, 0.5679



21.2385, 0.1504, 0.3569



21.2385, 0.2797, 0.1800



21.2385, 0.4945, 0.2745

Sweetspot

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



21.2394, 0.2999, 0.5679



45.5248, 0.3085, 0.3936



26.9796, 0.4098, 0.4949



10.2276, 0.3079, 0.4036



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.



21.2394, 0.2999, 0.5679



37.4511, 0.2996, 0.5949



21.8679, 0.2671, 0.4568



6.4714, 0.3112, 0.3511



18.1010, 0.2992, 0.5970



0.2222, 0.2952, 0.5826

Inverse Universe

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



9.0710, 0.3268, 0.1700



14.7851, 0.3289, 0.1599



7.7578, 0.4496, 0.2464



5.9059, 0.3142, 0.3079



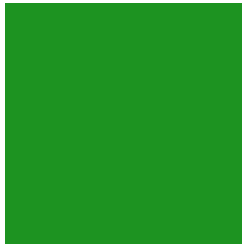
7.0752, 0.3291, 0.1587



0.0874, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 21.2385, 0.2999, 0.5679 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 21.2385, 0.2999, 0.5679 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 21.2385, 0.2999, 0.5679

Background



This preview shows how black text looks on a background with the Yxy color 21.2385, 0.2999, 0.5679.



This preview shows how white text looks on a background with the Yxy color 21.2385, 0.2999, 0.5679.

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

21.2385, 0.2999, 0.5679

Protanopia

21.0134, 0.4296, 0.4762

Deuteranopia

20.8915, 0.4475, 0.4391



Tritanopia

21.1877, 0.2398, 0.3072

Trichromacy



Original Color

21.2385, 0.2999, 0.5679



Protanomaly

19.9106, 0.3682, 0.5190



Deuteranomaly

19.5049, 0.3780, 0.4936



Tritanomaly

20.8472, 0.2646, 0.4057

Monochromacy



Original Color

21.2385, 0.2999, 0.5679



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.4546, 0.3068, 0.4290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2385, 0.2999, 0.5679 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(29, 147, 33)` looks like.

```
.text, #text, p{  
    color:rgb(29, 147, 33)  
}
```

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(29, 147, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 147, 33) }
```

Border

The CSS property to change the border of an element to Yxy 21.2385, 0.2999, 0.5679 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(29, 147, 33) }
```

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

```
.border{ border-color:rgb(29, 147, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 147, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 147, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 147, 33);  
box-shadow:4px 4px 4px 4px rgb(29, 147,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2385, 0.2999, 0.5679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 147, 33) }
```

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

```
.background{ background-color: rgb(29, 147,  
33) }
```

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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