

Converting Colors

$Yxy(22.8294, 0.2791, 0.4992)$

Have a look what the booklet for
Yxy(22.8294, 0.2791, 0.4992)
contains.

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Color

$\text{Yxy}(22.8888, 0.2790, 0.4985)$

Conversions

Conversions Part 1

Format	Color
Hex	1D974A
RGB	29, 151, 74
RGB Percent	11%, 59%, 29%
CMY	0.8859, 0.4078, 0.7099
CMYK	0.81, 0.00, 0.51, 0.41
HSL	142°, 68%, 35%
HSV	142°, 81%, 59%
XYZ	12.8104, 22.8888, 10.2162
YIQ	105.7440, -47.9950, -49.8110

Conversions

Conversions Part 2

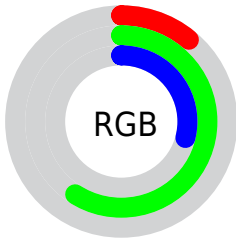
Format	Color
R_{YB}	29, 118, 151
Decimal	1939274
CIE Lab	54.96, -49.50, 31.46
CIE LCh	55, 58.647, 147.559
Yxy	22.8888, 0.2790, 0.4985
Android (android.graphics.Color)	4280129354 (0xFF1D974A)
YUV	105.7440, -15.6498, -67.3045
Hunter-Lab	47.8422, -35.9282, 20.8289

Details

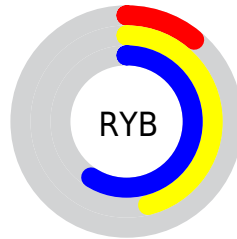
The Yxy color **22.8888, 0.2790, 0.4985** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.5055, 0.4076, 0.2193**, and the grayscale version is **14.3996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0307, 0.2893, 0.4566**, and **8.9983, 0.2884, 0.5584** is the 20% darker color. If you saturate the color by 10%, you get **22.6015, 0.2806, 0.5205**, and if you desaturate by 10%, it is **23.3054, 0.2791, 0.4750**.

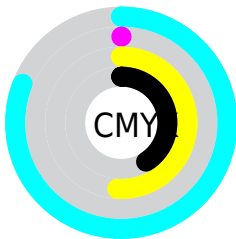
Distribution



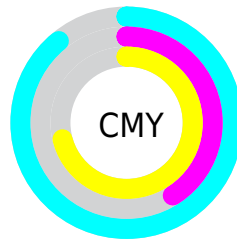
- Red (11%)
- Green (59%)
- Blue (29%)



- Red (11%)
- Yellow (46%)
- Blue (59%)



- Cyan (81%)
- Magenta (0%)
- Yellow (51%)
- Black (41%)





- Cyan (89%)
- Magenta (41%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8888, 0.2790, 0.4985 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 22.8888, 0.2790, 0.4985 by changing the saturation by 10% instead.


 22.8888, 0.2790,
0.4985


 22.8888, 0.2790,
0.4985


267.1533, 0.3021,
0.3968


 14.5114, 0.2699,
0.5312


 48.2107, 0.2895,
0.4566

 8.4772, 0.2554,
0.5781


 65.9240, 0.2927,
0.4424


 4.4018, 0.2303,
0.6502

 87.5180, 0.2952,
0.4310

 1.9008, 0.1613,
0.8387

 113.3772, 0.2972,
0.4217

 0.5488, 0.0000,
1.0000

 143.8859, 0.2987,
0.4139

 0.0000, 0.0000,
0.0000

 179.4286, 0.3000,

0.4073

220.3896, 0.3011,
0.4017

■ 22.8888, 0.2790,
0.4985

■ 22.8888, 0.2790,
0.4985

■ 22.6015, 0.2806,
0.5205

■ 23.3054, 0.2791,
0.4750

■ 22.4147, 0.2831,
0.5391

■ 23.8631, 0.2809,
0.4509

■ 24.5757, 0.2842,
0.4272

■ 25.4542, 0.2886,
0.4044

■ 26.5088, 0.2939,
0.3831

■ 27.7487, 0.2998,
0.3635

■ 29.1826, 0.3060,
0.3459

■ 30.8185, 0.3123,
0.3301

■ 32.6639, 0.3185,
0.3161

Harmonies

Analogous

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



22.8888, 0.3734, 0.5191



22.8888, 0.2790, 0.4985



22.8888, 0.1988, 0.3959

Triad

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



22.8888, 0.2790, 0.4985



22.8888, 0.1702, 0.1835



22.8888, 0.5015, 0.3294

Complementary

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



22.8888, 0.2790, 0.4985



8.5055, 0.4076, 0.2193

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.



22.8888, 0.4271, 0.2656



22.8888, 0.2790, 0.4985



22.8888, 0.2281, 0.1860

Square

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



22.8888, 0.2790, 0.4985



22.8888, 0.1459, 0.2126



22.8888, 0.3203, 0.2149



22.8888, 0.5090, 0.3992

Rectangle

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



22.8888, 0.2790, 0.4985



22.8888, 0.1646, 0.3173



22.8888, 0.3203, 0.2149



22.8888, 0.4833, 0.3073

Sweetspot

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



22.8897, 0.2790, 0.4985



48.8231, 0.2975, 0.3706



25.3049, 0.3619, 0.5303



10.9316, 0.2956, 0.3771



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.8897, 0.2790, 0.4985



40.1979, 0.2831, 0.5369



24.1378, 0.2388, 0.3618



6.9613, 0.3069, 0.3434



19.0740, 0.2828, 0.5379



0.2918, 0.2599, 0.4555

Inverse Universe

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



8.5055, 0.4076, 0.2193



13.4229, 0.4368, 0.2196



7.6546, 0.5560, 0.3110



6.2850, 0.3190, 0.3150



6.3120, 0.4379, 0.2186



0.1013, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 22.8888, 0.2790, 0.4985 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 22.8888, 0.2790, 0.4985 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 22.8888, 0.2790, 0.4985

Background



This preview shows how black text looks on a background with the Yxy color 22.8888, 0.2790, 0.4985.



This preview shows how white text looks on a background with the Yxy color 22.8888, 0.2790, 0.4985.

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

22.8888, 0.2790, 0.4985

Protanopia

22.5671, 0.3985, 0.4359

Deuteranopia

22.5304, 0.4066, 0.3997



Tritanopia

22.7691, 0.2367, 0.3059

Trichromacy



Original Color

22.8888, 0.2790, 0.4985



Protanomaly

21.4439, 0.3391, 0.4639



Deuteranomaly

20.9798, 0.3441, 0.4387



Tritanomaly

22.4353, 0.2509, 0.3705

Monochromacy



Original Color

22.8888, 0.2790, 0.4985



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.3469, 0.2916, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8888, 0.2790, 0.4985 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, 151, 74)` looks like.

```
.text, #text, p{  
    color:rgb(29, 151, 74)  
}
```

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, 151, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 151, 74) }
```

Border

The CSS property to change the border of an element to Yxy 22.8888, 0.2790, 0.4985 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, 151, 74) }
```

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

```
.border{ border-color:rgb(29, 151, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 151, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 151, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 151, 74);  
box-shadow:4px 4px 4px 4px rgb(29, 151,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8888, 0.2790, 0.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 151, 74) }
```

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

```
.background{ background-color: rgb(29, 151,  
74) }
```

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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