

Converting Colors

$Y_{xy}(22.4399, 0.2863, 0.5217)$

Have a look what the booklet for
Yxy(22.4399, 0.2863, 0.5217)
contains.

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Color

Yxy(22.4365, 0.2864, 0.5219)

Conversions

Conversions Part 1

Format	Color
Hex	1E963E
RGB	30, 150, 62
RGB Percent	12%, 59%, 24%
CMY	0.8822, 0.4118, 0.7568
CMYK	0.80, 0.00, 0.59, 0.41
HSL	136°, 67%, 35%
HSV	136°, 80%, 59%
XYZ	12.3123, 22.4365, 8.2412
YIQ	104.0880, -43.2720, -52.8080

Conversions

Conversions Part 2

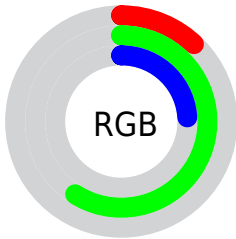
Format	Color
R_{YB}	30, 125, 150
Decimal	2004542
CIE _{Lab}	54.49, -50.83, 36.93
CIE _{LCh}	54, 62.831, 144.003
Yxy	22.4365, 0.2864, 0.5219
Android (android.graphics.Color)	4280194622 (0xFF1E963E)
YUV	104.0880, -20.7494, -64.9752
Hunter-Lab	47.3672, -36.4943, 22.8414

Details

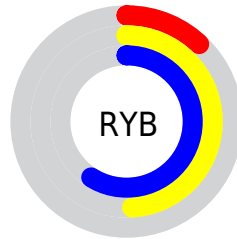
The Yxy color **22.4365, 0.2864, 0.5219** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.7230, 0.3793, 0.2028**, and the grayscale version is **13.9372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3193, 0.2964, 0.4741**, and **8.7595, 0.2960, 0.5855** is the 20% darker color. If you saturate the color by 10%, you get **22.1539, 0.2879, 0.5450**, and if you desaturate by 10%, it is **22.8529, 0.2864, 0.4961**.

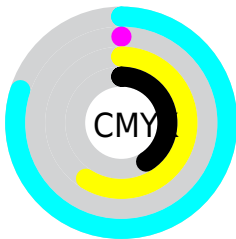
Distribution



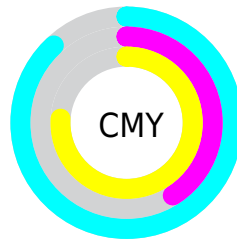
- Red (12%)
- Green (59%)
- Blue (24%)



- Red (12%)
- Yellow (49%)
- Blue (59%)



- Cyan (80%)
- Magenta (0%)
- Yellow (59%)
- Black (41%)




- Cyan (88%)
- Magenta (41%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4365, 0.2864, 0.5219 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 22.4365, 0.2864, 0.5219 by changing the saturation by 10% instead.


 22.4365, 0.2864,
0.5219


 22.4365, 0.2864,
0.5219


264.8174, 0.3067,
0.4058


 14.1780, 0.2771,
0.5589


 47.4664, 0.2964,
0.4741


 8.2446, 0.2616,
0.6114


 65.0065, 0.2992,
0.4579

 4.2518, 0.2374,
0.7016

 86.4094, 0.3014,
0.4449

 1.8154, 0.1350,
0.8650

 112.0593, 0.3030,
0.4342

 0.4968, 0.0000,
1.0000

 142.3406, 0.3042,
0.4253

 0.0000, 0.0000,
0.0000

 177.6378, 0.3053,

0.4178

218.3353, 0.3061,
0.4114

■ 22.4365, 0.2864,
0.5219

■ 22.4365, 0.2864,
0.5219

■ 22.1539, 0.2879,
0.5450

■ 22.8529, 0.2864,
0.4961

■ 21.9664, 0.2902,
0.5645

■ 23.4151, 0.2878,
0.4688

■ 21.9660, 0.2902,
0.5646

■ 24.1368, 0.2904,
0.4415

■ 25.0295, 0.2940,
0.4151

■ 26.1033, 0.2983,
0.3903

■ 27.3678, 0.3030,
0.3676

■ 28.8317, 0.3078,
0.3472

■ 30.5034, 0.3127,
0.3290

■ 32.3905, 0.3175,
0.3129

Harmonies

Analogous

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



22.4365, 0.3863, 0.5290



22.4365, 0.2864, 0.5219



22.4365, 0.1986, 0.4170

Triad

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



22.4365, 0.2864, 0.5219



22.4365, 0.1570, 0.1764



22.4365, 0.5098, 0.3191

Complementary

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



22.4365, 0.2864, 0.5219



8.7230, 0.3793, 0.2028

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.



22.4365, 0.4227, 0.2538



22.4365, 0.2864, 0.5219



22.4365, 0.2130, 0.1759

Square

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



22.4365, 0.2864, 0.5219



22.4365, 0.1356, 0.2105



22.4365, 0.3069, 0.2030



22.4365, 0.5248, 0.3914

Rectangle

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



22.4365, 0.2864, 0.5219



22.4365, 0.1599, 0.3294



22.4365, 0.3069, 0.2030



22.4365, 0.4875, 0.2964

Sweetspot

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



22.4374, 0.2864, 0.5219



47.2514, 0.3008, 0.3776



25.9006, 0.3776, 0.5178



10.3146, 0.2993, 0.3850



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.



22.4374, 0.2864, 0.5219



38.8435, 0.2900, 0.5606



23.4457, 0.2481, 0.3921



6.4923, 0.3082, 0.3456



18.2227, 0.2898, 0.5634



0.2274, 0.2682, 0.4855

Inverse Universe

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



8.7230, 0.3793, 0.2028



13.6310, 0.3983, 0.1986



7.7411, 0.5202, 0.2905



5.8831, 0.3175, 0.3129



6.3172, 0.4000, 0.1977



0.0822, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 22.4365, 0.2864, 0.5219 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 22.4365, 0.2864, 0.5219 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 22.4365, 0.2864, 0.5219

Background



This preview shows how black text looks on a background with the Yxy color 22.4365, 0.2864, 0.5219.



This preview shows how white text looks on a background with the Yxy color 22.4365, 0.2864, 0.5219.

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

22.4365, 0.2864, 0.5219

Protanopia

22.1801, 0.4094, 0.4496

Deuteranopia

21.8772, 0.4205, 0.4127



Tritanopia

22.4406, 0.2382, 0.3077

Trichromacy



Original Color

22.4365, 0.2864, 0.5219



Protanomaly

21.0804, 0.3506, 0.4830



Deuteranomaly

20.5598, 0.3549, 0.4574



Tritanomaly

22.0085, 0.2553, 0.3817

Monochromacy



Original Color

22.4365, 0.2864, 0.5219



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

15.9738, 0.2955, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4365, 0.2864, 0.5219 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(30, 150, 62)` looks like.

```
.text, #text, p{  
    color:rgb(30, 150, 62)  
}
```

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(30, 150, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 150, 62) }
```

Border

The CSS property to change the border of an element to Yxy 22.4365, 0.2864, 0.5219 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(30, 150, 62) }
```

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

```
.border{ border-color:rgb(30, 150, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 150, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 150, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 150, 62);  
box-shadow:4px 4px 4px 4px rgb(30, 150,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4365, 0.2864, 0.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 150, 62) }
```

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

```
.background{ background-color: rgb(30, 150,  
62) }
```

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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