

Converting Colors

$Y_{xy}(22.9505, 0.2744, 0.4335)$

Have a look what the booklet for
 $\text{Yxy}(22.9505, 0.2744, 0.4335)$
contains.

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Color

$Yxy(22.9505, 0.2744, 0.4335)$

Conversions

Conversions Part 1

Format	Color
Hex	399463
RGB	57, 148, 99
RGB Percent	22%, 58%, 39%
CMY	0.7766, 0.4196, 0.6118
CMYK	0.62, 0.00, 0.33, 0.42
HSL	148°, 44%, 40%
HSV	148°, 62%, 58%
XYZ	14.5274, 22.9505, 15.4645
YIQ	115.2050, -38.5070, -34.5310

Conversions

Conversions Part 2

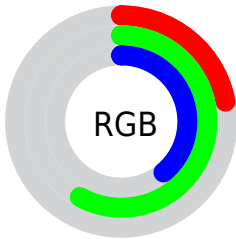
Format	Color
RYB	57, 119, 148
Decimal	3773539
CIELab	55.02, -38.79, 18.10
CIELCh	55, 42.809, 154.985
Yxy	22.9505, 0.2744, 0.4335
Android (android.graphics.Color)	4281963619 (0xFF399463)
YUV	115.2050, -7.9891, -51.0458
Hunter-Lab	47.9067, -29.7078, 14.3956

Details

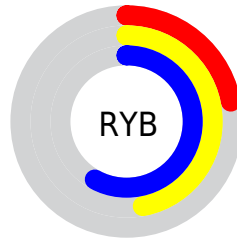
The Yxy color **22.9505, 0.2744, 0.4335** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.2602, 0.3942, 0.2485**, and the grayscale version is **17.2410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4246, 0.2841, 0.4086**, and **8.6137, 0.2657, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **22.4333, 0.2721, 0.4541**, and if you desaturate by 10%, it is **23.6114, 0.2783, 0.4133**.

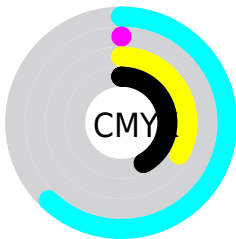
Distribution



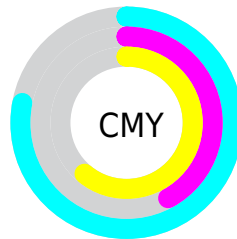
- Red (22%)
- Green (58%)
- Blue (39%)



- Red (22%)
- Yellow (47%)
- Blue (58%)



- Cyan (62%)
- Magenta (0%)
- Yellow (33%)
- Black (42%)





- Cyan (78%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9505, 0.2744, 0.4335 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 22.9505, 0.2744, 0.4335 by changing the saturation by 10% instead.

 22.9505, 0.2744,
0.4335


 22.9505, 0.2744,
0.4335


267.4707, 0.2974,
0.3718


 14.5570, 0.2668,
0.4531


 48.3120, 0.2839,
0.4083

 8.5090, 0.2557,
0.4816


 66.0488, 0.2872,
0.3997


 4.4224, 0.2379,
0.5261

 87.6688, 0.2897,
0.3928

 1.9125, 0.2050,
0.6187

 113.5564, 0.2918,
0.3871

 0.5559, 0.0000,
1.0000

 144.0960, 0.2936,
0.3824

 0.0000, 0.0000,
0.0000

179.6720, 0.2950,

0.3783

220.6687, 0.2963,
0.3749

■ 22.9505, 0.2744,
0.4335

■ 22.9505, 0.2744,
0.4335

■ 22.4333, 0.2721,
0.4541

■ 23.6114, 0.2783,
0.4133

■ 22.0452, 0.2716,
0.4747

■ 24.4236, 0.2835,
0.3941

■ 21.7732, 0.2730,
0.4944

■ 25.3975, 0.2897,
0.3760

■ 21.6030, 0.2751,
0.5105

■ 26.5417, 0.2966,
0.3595

■ 27.8643, 0.3040,
0.3444

■ 29.3726, 0.3116,
0.3309

■ 31.0738, 0.3192,
0.3189

■ 32.9745, 0.3267,
0.3083

■ 35.0811, 0.3339,
0.2989

Harmonies

Analogous

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



22.9505, 0.3464, 0.4683



22.9505, 0.2744, 0.4335



22.9505, 0.2167, 0.3575

Triad

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



22.9505, 0.2744, 0.4335



22.9505, 0.2118, 0.2149



22.9505, 0.4581, 0.3481

Complementary

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



22.9505, 0.2744, 0.4335



10.2602, 0.3942, 0.2485

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.



22.9505, 0.4136, 0.2943



22.9505, 0.2744, 0.4335



22.9505, 0.2653, 0.2214

Square

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



22.9505, 0.2744, 0.4335



22.9505, 0.1851, 0.2338



22.9505, 0.3394, 0.2496



22.9505, 0.4560, 0.4038

Rectangle

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



22.9505, 0.2744, 0.4335



22.9505, 0.1930, 0.3050



22.9505, 0.3394, 0.2496



22.9505, 0.4482, 0.3296

Sweetspot

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



22.9514, 0.2744, 0.4335



47.5273, 0.2989, 0.3546



24.6053, 0.3500, 0.4951



10.7129, 0.2970, 0.3587



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.



22.9514, 0.2744, 0.4335



39.2806, 0.2717, 0.4623



24.0478, 0.2425, 0.3377



6.5103, 0.3057, 0.3412



18.4561, 0.2748, 0.5093



0.2317, 0.2523, 0.4284

Inverse Universe

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



10.2602, 0.3942, 0.2485



14.8712, 0.4230, 0.2379



9.5623, 0.4899, 0.3224



5.8645, 0.3203, 0.3171



5.8741, 0.4751, 0.2391



0.0779, 0.3944, 0.1946

Previews

White Background



This preview shows how the Yxy color 22.9505, 0.2744, 0.4335 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 22.9505, 0.2744, 0.4335 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 22.9505, 0.2744, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 22.9505, 0.2744, 0.4335.



This preview shows how white text looks on a background with the Yxy color 22.9505, 0.2744, 0.4335.

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

22.9505, 0.2744, 0.4335

Protanopia

22.6680, 0.3684, 0.3970

Deuteranopia

22.6935, 0.3722, 0.3657



Tritanopia

22.8055, 0.2430, 0.3062

Trichromacy



Original Color

22.9505, 0.2744, 0.4335

Protanomaly

22.0325, 0.3252, 0.4108

Deuteranomaly

21.8611, 0.3280, 0.3898

Tritanomaly

22.8689, 0.2545, 0.3508

Monochromacy



Original Color

22.9505, 0.2744, 0.4335

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.6626, 0.2940, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9505, 0.2744, 0.4335 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(57, 148, 99)` looks like.

```
.text, #text, p{  
    color:rgb(57, 148, 99)  
}
```

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(57, 148, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 148, 99) }
```

Border

The CSS property to change the border of an element to Yxy 22.9505, 0.2744, 0.4335 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(57, 148, 99) }
```

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

```
.border{ border-color:rgb(57, 148, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 148, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 148, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 148, 99);  
box-shadow:4px 4px 4px 4px rgb(57, 148,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9505, 0.2744, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 148, 99) }
```

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

```
.background{ background-color: rgb(57, 148,  
99) }
```

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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