

Converting Colors

$Yxy(22.5252, 0.2948, 0.4334)$

Have a look what the booklet for
Yxy(22.5252, 0.2948, 0.4334)
contains.

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Color

Yxy(22.4601, 0.2949, 0.4329)

Conversions

Conversions Part 1

Format	Color
Hex	50905E
RGB	80, 144, 94
RGB Percent	31%, 56%, 37%
CMY	0.6864, 0.4353, 0.6313
CMYK	0.44, 0.00, 0.35, 0.44
HSL	133°, 29%, 44%
HSV	133°, 44%, 56%
XYZ	15.3003, 22.4601, 14.1225
YIQ	119.1640, -22.0940, -29.1180

Conversions

Conversions Part 2

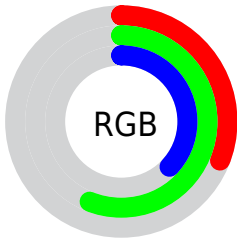
Format	Color
R_{YB}	80, 133, 144
Decimal	5279838
CIE _{Lab}	54.51, -31.94, 20.33
CIE _{LCh}	55, 37.861, 147.517
Y _{xy}	22.4601, 0.2949, 0.4329
Android (android.graphics.Color)	4283469918 (0xFF50905E)
YUV	119.1640, -12.4059, -34.3468
Hunter-Lab	47.3921, -25.3085, 15.5064

Details

The Yxy color $22.4601, 0.2949, 0.4329$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.2726, 0.3384, 0.2441$, and the grayscale version is $18.5461, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.4190, 0.3003, 0.4071$, and $8.2669, 0.2841, 0.4814$ is the 20% darker color. If you saturate the color by 10%, you get $21.7129, 0.2920, 0.4614$, and if you desaturate by 10%, it is $23.3729, 0.2984, 0.4058$.

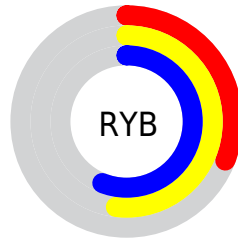
Distribution



Red (31%)

Green (56%)

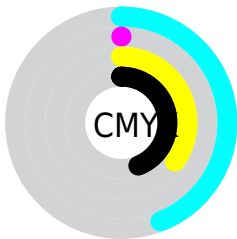
Blue (37%)



Red (31%)

Yellow (52%)

Blue (56%)

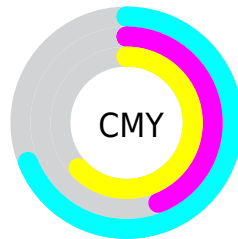


Cyan (44%)

Magenta (0%)

Yellow (35%)

Black (44%)



Cyan (69%)


Magenta (44%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4601, 0.2949, 0.4329 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 22.4601, 0.2949, 0.4329 by changing the saturation by 10% instead.


 22.4601, 0.2949,
0.4329


 22.4601, 0.2949,
0.4329


264.9397, 0.3065,
0.3716


 14.1954, 0.2906,
0.4524


 47.5053, 0.3000,
0.4078

 8.2567, 0.2838,
0.4806

 65.0545, 0.3017,
0.3993


 4.2596, 0.2720,
0.5245

 86.4674, 0.3029,
0.3925

 1.8198, 0.2582,
0.6286

 112.1282, 0.3039,
0.3868

 0.4995, 0.0000,
1.0000

 142.4215, 0.3048,
0.3821

 0.0000, 0.0000,
0.0000

177.7316, 0.3055,

0.3781

218.4428, 0.3060,
0.3746

■ 22.4601, 0.2949,
0.4329

■ 22.4601, 0.2949,
0.4329

■ 21.7129, 0.2920,
0.4614

■ 23.3729, 0.2984,
0.4058

■ 21.1185, 0.2901,
0.4901

■ 24.4576, 0.3024,
0.3806

■ 20.6669, 0.2894,
0.5178


■ 25.7236, 0.3066,
0.3577

■ 20.3455, 0.2900,
0.5428

■ 27.1786, 0.3108,
0.3373


■ 20.1387, 0.2918,
0.5639


■ 28.8301, 0.3150,
0.3193

 20.0507, 0.2927,
0.5737

 30.6851, 0.3190,
0.3035

 32.7502, 0.3229,
0.2898

 35.0318, 0.3265,
0.2778

 37.5359, 0.3298,
0.2674

Harmonies

Analogous

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



22.4601, 0.3603, 0.4528



22.4601, 0.2949, 0.4329



22.4601, 0.2377, 0.3727

Triad

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



22.4601, 0.2949, 0.4329



22.4601, 0.2131, 0.2278



22.4601, 0.4361, 0.3350

Complementary

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



22.4601, 0.2949, 0.4329



13.2726, 0.3384, 0.2441

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.



22.4601, 0.3878, 0.2870



22.4601, 0.2949, 0.4329



22.4601, 0.2562, 0.2279

Square

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



22.4601, 0.2949, 0.4329



22.4601, 0.1948, 0.2522



22.4601, 0.3195, 0.2491



22.4601, 0.4456, 0.3860

Rectangle

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



22.4601, 0.2949, 0.4329



22.4601, 0.2115, 0.3252



22.4601, 0.3195, 0.2491



22.4601, 0.4237, 0.3183

Sweetspot

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



22.4610, 0.2949, 0.4329



45.6569, 0.3071, 0.3552



25.2835, 0.3603, 0.4412



10.3588, 0.3063, 0.3595



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.



22.4610, 0.2949, 0.4329



38.3381, 0.2921, 0.4603



23.1553, 0.2685, 0.3649



6.0476, 0.3088, 0.3466



17.4618, 0.2925, 0.5728



0.1697, 0.2728, 0.5021

Inverse Universe

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



13.2726, 0.3384, 0.2441



20.0524, 0.3458, 0.2275



12.5461, 0.3923, 0.2969



5.4910, 0.3168, 0.3120



6.1934, 0.3837, 0.1887



0.0625, 0.3494, 0.1699

Previews

White Background



This preview shows how the Yxy color 22.4601, 0.2949, 0.4329 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 22.4601, 0.2949, 0.4329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

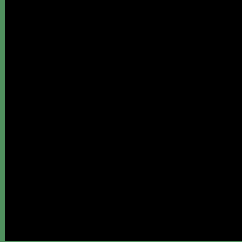
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4601, 0.2949, 0.4329

Background



This preview shows how black text looks on a background with the Yxy color 22.4601, 0.2949, 0.4329.



This preview shows how white text looks on a background with the Yxy color 22.4601, 0.2949, 0.4329.

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

22.4601, 0.2949, 0.4329

Protanopia

22.2453, 0.3721, 0.4026

Deuteranopia

22.0694, 0.3806, 0.3725



Tritanopia

22.3048, 0.2585, 0.3083

Trichromacy



Original Color

22.4601, 0.2949, 0.4329

Protanomaly

21.9177, 0.3402, 0.4147

Deuteranomaly

21.5313, 0.3440, 0.3923

Tritanomaly

22.3894, 0.2723, 0.3525

Monochromacy



Original Color

22.4601, 0.2949, 0.4329

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5674, 0.3053, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4601, 0.2949, 0.4329 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(80, 144, 94)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 94)  
}
```

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(80, 144, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 94) }
```

Border

The CSS property to change the border of an element to Yxy 22.4601, 0.2949, 0.4329 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(80, 144, 94) }
```

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

```
.border{ border-color:rgb(80, 144, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 94);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4601, 0.2949, 0.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 94) }
```

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

```
.background{ background-color: rgb(80, 144,  
94) }
```

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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