

Converting Colors

$Y_{xy}(22.2788, 0.2947, 0.4365)$

Have a look what the booklet for
Yxy(22.2788, 0.2947, 0.4365)
contains.

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Color

Yxy(22.3389, 0.2949, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	4E905C
RGB	78, 144, 92
RGB Percent	31%, 56%, 36%
CMY	0.6940, 0.4353, 0.6393
CMYK	0.46, 0.00, 0.36, 0.44
HSL	133°, 30%, 44%
HSV	133°, 46%, 56%
XYZ	15.0474, 22.3389, 13.6391
YIQ	118.3380, -22.6440, -30.1640

Conversions

Conversions Part 2

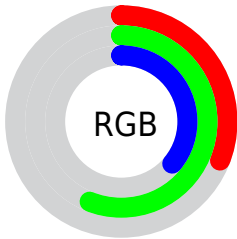
Format	Color
R_{YB}	78, 132, 144
Decimal	5148764
CIE _{Lab}	54.38, -32.90, 21.28
CIE _{LCh}	54, 39.181, 147.099
Yxy	22.3389, 0.2949, 0.4378
Android (android.graphics.Color)	4283338844 (0xFF4E905C)
YUV	118.3380, -12.9846, -35.3764
Hunter-Lab	47.2640, -25.8833, 15.9754

Details

The Yxy color $22.3389, 0.2949, 0.4378$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.9940, 0.3386, 0.2409$, and the grayscale version is $18.2765, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.1966, 0.3001, 0.4105$, and $8.2124, 0.2837, 0.4890$ is the 20% darker color. If you saturate the color by 10%, you get $21.6127, 0.2922, 0.4666$, and if you desaturate by 10%, it is $23.2299, 0.2983, 0.4102$.

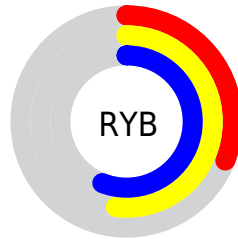
Distribution



Red (31%)

Green (56%)

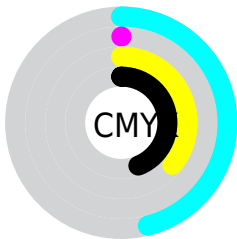
Blue (36%)



Red (31%)

Yellow (52%)

Blue (56%)

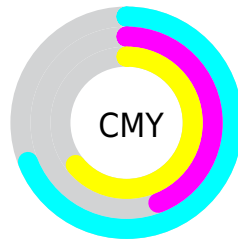


Cyan (46%)

Magenta (0%)

Yellow (36%)

Black (44%)



Cyan (69%)


Magenta (44%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3389, 0.2949, 0.4378 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 22.3389, 0.2949, 0.4378 by changing the saturation by 10% instead.


 22.3389, 0.2949,
0.4378


 22.3389, 0.2949,
0.4378

264.3110, 0.3067,
0.3735


 14.1061, 0.2904,
0.4583


 47.3055, 0.3001,
0.4115

 8.1945, 0.2834,
0.4880


 64.8081, 0.3018,
0.4025


 4.2197, 0.2709,
0.5343

 86.1694, 0.3031,
0.3953

 1.7972, 0.2580,
0.6526

 111.7739, 0.3041,
0.3894

 0.4854, 0.0000,
1.0000

 142.0059, 0.3049,
0.3845

 0.0000, 0.0000,
0.0000

177.2498, 0.3056,

0.3802

217.8901, 0.3062,
0.3766

■ 22.3389, 0.2949,
0.4378

■ 22.3389, 0.2949,
0.4378

■ 21.6127, 0.2922,
0.4666

■ 23.2299, 0.2983,
0.4102

■ 21.0384, 0.2905,
0.4955

■ 24.2922, 0.3021,
0.3844

■ 20.6057, 0.2899,
0.5230


■ 25.5353, 0.3062,
0.3610


■ 20.3018, 0.2907,
0.5476

■ 26.9670, 0.3103,
0.3401

■ 20.1083, 0.2925,
0.5679


■ 28.5948, 0.3144,
0.3215

 20.0430, 0.2931,
0.5752

 30.4260, 0.3183,
0.3053

 32.4670, 0.3221,
0.2911

 34.7245, 0.3256,
0.2788

 37.2044, 0.3289,
0.2681

Harmonies

Analogous

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



22.3389, 0.3624, 0.4574



22.3389, 0.2949, 0.4378



22.3389, 0.2357, 0.3753

Triad

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



22.3389, 0.2949, 0.4378



22.3389, 0.2094, 0.2247



22.3389, 0.4402, 0.3341

Complementary

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



22.3389, 0.2949, 0.4378



12.9940, 0.3386, 0.2409

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.



22.3389, 0.3896, 0.2848



22.3389, 0.2949, 0.4378



22.3389, 0.2535, 0.2246

Square

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



22.3389, 0.2949, 0.4378



22.3389, 0.1910, 0.2500



22.3389, 0.3186, 0.2462



22.3389, 0.4504, 0.3866

Rectangle

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



22.3389, 0.2949, 0.4378



22.3389, 0.2086, 0.3258



22.3389, 0.3186, 0.2462



22.3389, 0.4272, 0.3170

Sweetspot

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



22.3398, 0.2949, 0.4378



45.4024, 0.3068, 0.3576



25.3070, 0.3628, 0.4440



10.3053, 0.3060, 0.3619



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.



22.3398, 0.2949, 0.4378



38.0839, 0.2921, 0.4675



23.0280, 0.2683, 0.3685



6.0469, 0.3089, 0.3468



17.4565, 0.2929, 0.5743



0.1696, 0.2736, 0.5050

Inverse Universe

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



12.9940, 0.3386, 0.2409



19.4606, 0.3463, 0.2233



12.2595, 0.3939, 0.2940



5.4918, 0.3167, 0.3118



6.2156, 0.3811, 0.1873



0.0626, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 22.3389, 0.2949, 0.4378 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 22.3389, 0.2949, 0.4378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

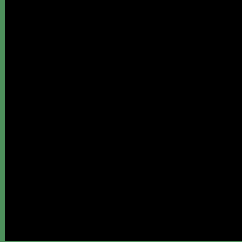
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3389, 0.2949, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 22.3389, 0.2949, 0.4378.



This preview shows how white text looks on a background with the Yxy color 22.3389, 0.2949, 0.4378.

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

22.3389, 0.2949, 0.4378

Protanopia

21.9478, 0.3749, 0.4045

Deuteranopia

22.0321, 0.3831, 0.3758



Tritanopia

22.2536, 0.2577, 0.3083

Trichromacy



Original Color

22.3389, 0.2949, 0.4378

Protanomaly

21.5367, 0.3414, 0.4172

Deuteranomaly

21.4944, 0.3462, 0.3961

Tritanomaly

22.2931, 0.2706, 0.3526

Monochromacy



Original Color

22.3389, 0.2949, 0.4378

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1664, 0.3040, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3389, 0.2949, 0.4378 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(78, 144, 92)` looks like.

```
.text, #text, p{  
  color:rgb(78, 144, 92)  
}
```

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(78, 144, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 144, 92) }
```

Border

The CSS property to change the border of an element to Yxy 22.3389, 0.2949, 0.4378 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(78, 144, 92) }
```

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

```
.border{ border-color:rgb(78, 144, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 144, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 144, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 144, 92);  
box-shadow:4px 4px 4px 4px rgb(78, 144,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3389, 0.2949, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 144, 92) }
```

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

```
.background{ background-color: rgb(78, 144,  
92) }
```

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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