

Converting Colors

$Yxy(22.3524, 0.2770, 0.4023)$

Have a look what the booklet for
Yxy(22.3524, 0.2770, 0.4023)
contains.

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Color

Yxy(22.4457, 0.2776, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	49906C
RGB	73, 144, 108
RGB Percent	29%, 56%, 42%
CMY	0.7135, 0.4353, 0.5764
CMYK	0.49, 0.00, 0.25, 0.44
HSL	150°, 33%, 43%
HSV	150°, 49%, 56%
XYZ	15.4307, 22.4457, 17.7098
YIQ	118.6670, -30.7600, -26.2480

Conversions

Conversions Part 2

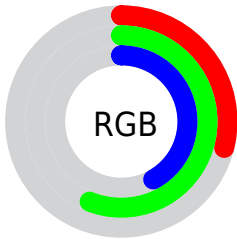
Format	Color
R_{YB}	73, 121, 144
Decimal	4821100
CIE _{Lab}	54.50, -31.10, 12.37
CIE _{LCh}	54, 33.473, 158.306
Yxy	22.4457, 0.2776, 0.4038
Android (android.graphics.Color)	4283011180 (0xFF49906C)
YUV	118.6670, -5.2588, -40.0500
Hunter-Lab	47.3769, -24.7718, 11.0009

Details

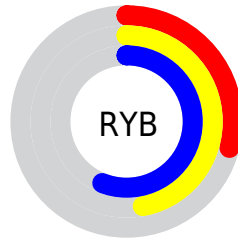
The Yxy color **22.4457, 0.2776, 0.4038** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.8049, 0.3755, 0.2663**, and the grayscale version is **18.3654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3619, 0.2856, 0.3849**, and **8.2565, 0.2622, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **21.7983, 0.2731, 0.4225**, and if you desaturate by 10%, it is **23.2382, 0.2834, 0.3860**.

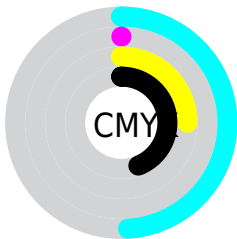
Distribution



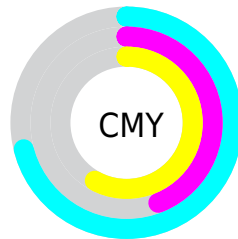
- Red (29%)
- Green (56%)
- Blue (42%)



- Red (29%)
- Yellow (47%)
- Blue (56%)



- Cyan (49%)
- Magenta (0%)
- Yellow (25%)
- Black (44%)





- Cyan (71%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4457, 0.2776, 0.4038 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 22.4457, 0.2776, 0.4038 by changing the saturation by 10% instead.


 22.4457, 0.2776,
0.4038


 22.4457, 0.2776,
0.4038


264.8651, 0.2981,
0.3601


 14.1848, 0.2711,
0.4176


 47.4815, 0.2859,
0.3860


 8.2493, 0.2618,
0.4375


 65.0252, 0.2888,
0.3800

 4.2549, 0.2472,
0.4686

 86.4320, 0.2911,
0.3750

 1.8171, 0.2211,
0.5243

 112.0861, 0.2930,
0.3710

 0.4978, 0.0000,
1.0000

 142.3721, 0.2946,
0.3676

 0.0000, 0.0000,
0.0000

177.6744, 0.2959,

0.3647

218.3772, 0.2971,
0.3622

■ 22.4457, 0.2776,
0.4038

■ 22.4457, 0.2776,
0.4038

■ 21.7983, 0.2731,
0.4225

■ 23.2382, 0.2834,
0.3860

■ 21.2838, 0.2702,
0.4418

■ 24.1817, 0.2901,
0.3695

■ 20.8926, 0.2691,
0.4612


■ 25.2848, 0.2975,
0.3543


■ 20.6123, 0.2698,
0.4802

■ 26.5550, 0.3053,
0.3405


■ 20.4135, 0.2720,
0.4985

■ 27.9989, 0.3133,
0.3281

 20.3998, 0.2722,
0.4998

 29.6232, 0.3213,
0.3171

 31.4340, 0.3292,
0.3074

 33.4369, 0.3369,
0.2988

 35.6377, 0.3443,
0.2913

Harmonies

Analogous

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



22.4457, 0.3352, 0.4361



22.4457, 0.2776, 0.4038



22.4457, 0.2321, 0.3453

Triad

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



22.4457, 0.2776, 0.4038



22.4457, 0.2350, 0.2358



22.4457, 0.4292, 0.3521

Complementary

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



22.4457, 0.2776, 0.4038



11.8049, 0.3755, 0.2663

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.



22.4457, 0.3976, 0.3067



22.4457, 0.2776, 0.4038



22.4457, 0.2815, 0.2429

Square

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



22.4457, 0.2776, 0.4038



22.4457, 0.2100, 0.2503



22.4457, 0.3414, 0.2681



22.4457, 0.4251, 0.3968

Rectangle

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



22.4457, 0.2776, 0.4038



22.4457, 0.2138, 0.3055



22.4457, 0.3414, 0.2681



22.4457, 0.4224, 0.3367

Sweetspot

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



22.4466, 0.2776, 0.4038



45.4514, 0.3006, 0.3486



23.7230, 0.3428, 0.4628



10.3285, 0.2991, 0.3513



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.



22.4466, 0.2776, 0.4038



38.3545, 0.2728, 0.4243



23.3412, 0.2506, 0.3311



6.0709, 0.3054, 0.3404



17.7704, 0.2719, 0.4988



0.1743, 0.2502, 0.4206

Inverse Universe

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



11.8049, 0.3755, 0.2663



17.3378, 0.3970, 0.2544



11.1977, 0.4423, 0.3273



5.4669, 0.3207, 0.3179



5.5874, 0.4876, 0.2460



0.0579, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 22.4457, 0.2776, 0.4038 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 22.4457, 0.2776, 0.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

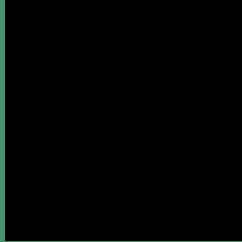
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4457, 0.2776, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 22.4457, 0.2776, 0.4038.



This preview shows how white text looks on a background with the Yxy color 22.4457, 0.2776, 0.4038.

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

22.4457, 0.2776, 0.4038

Protanopia

22.0434, 0.3553, 0.3787

Deuteranopia

22.1330, 0.3566, 0.3512



Tritanopia

22.5521, 0.2513, 0.3082

Trichromacy



Original Color

22.4457, 0.2776, 0.4038

Protanomaly

21.6271, 0.3213, 0.3868

Deuteranomaly

21.7152, 0.3224, 0.3684

Tritanomaly

22.5045, 0.2604, 0.3406

Monochromacy



Original Color

22.4457, 0.2776, 0.4038

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5009, 0.2967, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4457, 0.2776, 0.4038 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(73, 144, 108)` looks like.

```
.text, #text, p{  
    color:rgb(73, 144, 108)  
}
```

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(73, 144, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 144, 108) }
```

Border

The CSS property to change the border of an element to Yxy 22.4457, 0.2776, 0.4038 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(73, 144, 108) }
```

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

```
.border{ border-color:rgb(73, 144, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 144, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 144, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 144, 108);  
box-shadow:4px 4px 4px 4px rgb(73, 144,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4457, 0.2776, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 144, 108) }
```

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

```
.background{ background-color: rgb(73, 144,  
108) }
```

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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