

Converting Colors

$Y_{xy}(22.0828, 0.3720, 0.4649)$

Have a look what the booklet for
Yxy(22.0828, 0.3720, 0.4649)
contains.

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Color

Yxy(22.0828, 0.3720, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	7A883D
RGB	122, 136, 61
RGB Percent	48%, 53%, 24%
CMY	0.5217, 0.4666, 0.7607
CMYK	0.10, 0.00, 0.55, 0.47
HSL	71°, 38%, 39%
HSV	71°, 55%, 53%
XYZ	17.6700, 22.0828, 7.7473
YIQ	123.2640, 15.7310, -26.2930

Conversions

Conversions Part 2

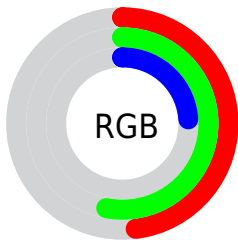
Format	Color
RYB	61, 136, 75
Decimal	8030269
CIELab	54.11, -16.85, 38.01
CIELCh	54, 41.580, 113.910
Yxy	22.0828, 0.3720, 0.4649
Android (android.graphics.Color)	4286220349 (0xFF7A883D)
YUV	123.2640, -30.6962, -1.1085
Hunter-Lab	46.9923, -15.1171, 23.1199

Details

The Yxy color **22.0828, 0.3720, 0.4649** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.6143, 0.2270, 0.1665**, and the grayscale version is **19.9980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7730, 0.3617, 0.4341**, and **8.0193, 0.3849, 0.5155** is the 20% darker color. If you saturate the color by 10%, you get **21.7720, 0.3793, 0.4859**, and if you desaturate by 10%, it is **22.4377, 0.3629, 0.4414**.

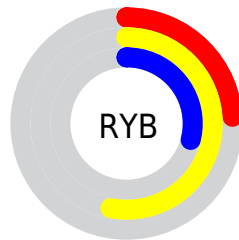
Distribution



Red (48%)

Green (53%)

Blue (24%)



Red (24%)

Yellow (53%)

Blue (29%)

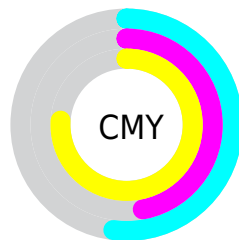


Cyan (10%)

Magenta (0%)

Yellow (55%)

Black (47%)



Cyan (52%)

Magenta (47%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0828, 0.3720, 0.4649 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 22.0828, 0.3720, 0.4649 by changing the saturation by 10% instead.

22.0828, 0.3720,
0.4649

22.0828, 0.3720,
0.4649

262.9784, 0.3420,
0.3875

13.9178, 0.3783,
0.4870

46.8828, 0.3616,
0.4345

8.0635, 0.3847,
0.5165

64.2866, 0.3574,
0.4238

4.1356, 0.3972,
0.5685

85.5387, 0.3539,
0.4150

1.7497, 0.3851,
0.6149

111.0235, 0.3508,
0.4076

0.4555, 0.0452,
0.9548

141.1255, 0.3482,
0.4014

0.0000, 0.0000,
0.0000

176.2291, 0.3458,

0.3961

216.7186, 0.3438,
0.3915

■ 22.0828, 0.3720,
0.4649

■ 22.0828, 0.3720,
0.4649

■ 21.7720, 0.3793,
0.4859

■ 22.4377, 0.3629,
0.4414

■ 21.4993, 0.3844,
0.5036

■ 22.8362, 0.3526,
0.4164

■ 21.2625, 0.3871,
0.5171

■ 23.2817, 0.3415,
0.3909

■ 21.0567, 0.3875,
0.5265

■ 23.7765, 0.3300,
0.3655

■ 20.9619, 0.3874,
0.5306

■ 24.3226, 0.3185,
0.3411

■ 24.9218, 0.3073,
0.3179

■ 25.5761, 0.2966,
0.2963

■ 26.2871, 0.2866,
0.2764

■ 27.0565, 0.2771,
0.2581

Harmonies

Analogous

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



22.0828, 0.4311, 0.4342



22.0828, 0.3720, 0.4649



22.0828, 0.3007, 0.4506

Triad

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



22.0828, 0.3720, 0.4649



22.0828, 0.1839, 0.2494



22.0828, 0.3869, 0.2771

Complementary

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



22.0828, 0.3720, 0.4649



6.6143, 0.2270, 0.1665

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.



22.0828, 0.3106, 0.2382



22.0828, 0.3720, 0.4649



22.0828, 0.2003, 0.2202

Square

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



22.0828, 0.3720, 0.4649



22.0828, 0.1957, 0.3081



22.0828, 0.2436, 0.2178



22.0828, 0.4446, 0.3279

Rectangle

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



22.0828, 0.3720, 0.4649



22.0828, 0.2559, 0.4120



22.0828, 0.2436, 0.2178



22.0828, 0.3620, 0.2624

Sweetspot

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



22.0838, 0.3720, 0.4649



41.6930, 0.3326, 0.3711



10.5719, 0.4527, 0.3546



9.6207, 0.3345, 0.3754



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0838, 0.3720, 0.4649



38.2469, 0.3807, 0.4903



19.8682, 0.3279, 0.4871



5.7985, 0.3231, 0.3508



19.8404, 0.3875, 0.5305



0.1375, 0.4038, 0.5176

Inverse Universe

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



6.6143, 0.2270, 0.1665



8.1198, 0.2046, 0.1290



8.5784, 0.2808, 0.1878



4.9344, 0.3018, 0.3066



1.8867, 0.1606, 0.0658



0.0173, 0.1947, 0.0846

Previews

White Background



This preview shows how the Yxy color 22.0828, 0.3720, 0.4649 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 22.0828, 0.3720, 0.4649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

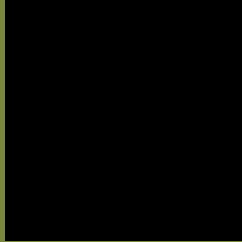
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0828, 0.3720, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 22.0828, 0.3720, 0.4649.



This preview shows how white text looks on a background with the Yxy color 22.0828, 0.3720, 0.4649.

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

22.0828, 0.3720, 0.4649

Protanopia

21.8559, 0.4064, 0.4449

Deuteranopia

21.9070, 0.4280, 0.4203



Tritanopia

22.0986, 0.3055, 0.3115

Trichromacy



Original Color

22.0828, 0.3720, 0.4649

Protanomaly

21.9797, 0.3925, 0.4527

Deuteranomaly

21.9082, 0.4075, 0.4361

Tritanomaly

21.9476, 0.3321, 0.3675

Monochromacy



Original Color

22.0828, 0.3720, 0.4649

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.5694, 0.3379, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0828, 0.3720, 0.4649 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(122, 136, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 136, 61)  
}
```

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(122, 136, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 136, 61) }
```

Border

The CSS property to change the border of an element to Yxy 22.0828, 0.3720, 0.4649 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(122, 136, 61) }
```

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

```
.border{ border-color:rgb(122, 136, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 136, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 136, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 136, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 136,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0828, 0.3720, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 136, 61) }
```

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

```
.background{ background-color: rgb(122,  
136, 61) }
```

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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