

Converting Colors

$Y_{xy}(22.0386, 0.3076, 0.4740)$

Have a look what the booklet for
Yxy(22.0386, 0.3076, 0.4740)
contains.

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Color

Yxy(22.0323, 0.3077, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	4D904B
RGB	77, 144, 75
RGB Percent	30%, 56%, 29%
CMY	0.6979, 0.4353, 0.7059
CMYK	0.47, 0.00, 0.48, 0.44
HSL	118°, 32%, 43%
HSV	118°, 48%, 56%
XYZ	14.3054, 22.0323, 10.1537
YIQ	116.1010, -17.7830, -35.6630

Conversions

Conversions Part 2

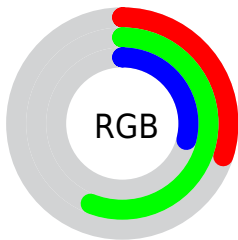
Format	Color
RYB	75, 144, 142
Decimal	5083211
CIELab	54.06, -36.02, 30.10
CIElCh	54, 46.943, 140.119
Yxy	22.0323, 0.3077, 0.4739
Android (android.graphics.Color)	4283273291 (0xFF4D904B)
YUV	116.1010, -20.2628, -34.2916
Hunter-Lab	46.9386, -27.7413, 20.0314

Details

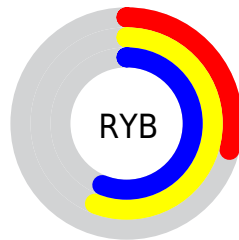
The Yxy color **22.0323, 0.3077, 0.4739** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7922, 0.3150, 0.2155**, and the grayscale version is **17.5674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6147, 0.3112, 0.4382**, and **8.0720, 0.2970, 0.5407** is the 20% darker color. If you saturate the color by 10%, you get **21.3374, 0.3062, 0.5081**, and if you desaturate by 10%, it is **22.8986, 0.3091, 0.4394**.

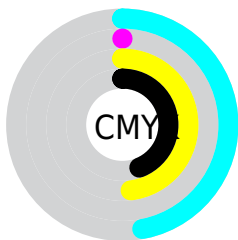
Distribution



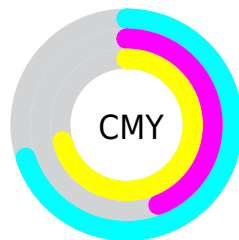
- Red (30%)
- Green (56%)
- Blue (29%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (48%)
- Black (44%)



- Cyan (70%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0323, 0.3077, 0.4739 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 22.0323, 0.3077, 0.4739 by changing the saturation by 10% instead.

■ 22.0323, 0.3077,
0.4739

■ 22.0323, 0.3077,
0.4739

■ 262.7149, 0.3137,
0.3877

■ 13.8806, 0.3039,
0.5013

■ 46.7994, 0.3112,
0.4386

■ 8.0377, 0.2970,
0.5405

■ 64.1836, 0.3121,
0.4266

■ 4.1191, 0.2830,
0.6008

■ 85.4141, 0.3127,
0.4169

■ 1.7404, 0.2564,
0.7436

■ 110.8753, 0.3131,
0.4090

■ 0.4496, 0.0000,
1.0000

■ 140.9516, 0.3133,
0.4024

■ 0.0000, 0.0000,
0.0000

176.0273, 0.3135,

0.3967

216.4870, 0.3137,
0.3919

■ 22.0323, 0.3077,
0.4739

■ 22.0323, 0.3077,
0.4739

■ 21.3374, 0.3062,
0.5081

■ 22.8986, 0.3091,
0.4394

■ 20.8000, 0.3046,
0.5397

■ 23.9436, 0.3103,
0.4063

■ 20.4086, 0.3031,
0.5661


■ 25.1776, 0.3113,
0.3758

■ 20.1488, 0.3018,
0.5853


■ 26.6093, 0.3122,
0.3484


■ 19.9990, 0.3009,
0.5971


■ 28.2468, 0.3128,
0.3242

 19.9737, 0.3008,
0.5993

 30.0978, 0.3134,
0.3032

 32.1697, 0.3138,
0.2849

 34.4692, 0.3142,
0.2692

 37.0032, 0.3144,
0.2556

Harmonies

Analogous

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



22.0323, 0.3866, 0.4796



22.0323, 0.3077, 0.4739



22.0323, 0.2344, 0.4061

Triad

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



22.0323, 0.3077, 0.4739



22.0323, 0.1843, 0.2103



22.0323, 0.4558, 0.3186

Complementary

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



22.0323, 0.3077, 0.4739



12.7922, 0.3150, 0.2155

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.



22.0323, 0.3857, 0.2646



22.0323, 0.3077, 0.4739



22.0323, 0.2277, 0.2049

Square

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



22.0323, 0.3077, 0.4739



22.0323, 0.1702, 0.2453



22.0323, 0.2992, 0.2245



22.0323, 0.4787, 0.3787

Rectangle

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



22.0323, 0.3077, 0.4739



22.0323, 0.1988, 0.3442



22.0323, 0.2992, 0.2245



22.0323, 0.4365, 0.2996

Sweetspot

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



22.0332, 0.3077, 0.4739



45.2846, 0.3116, 0.3655



25.6936, 0.3827, 0.4390



10.2753, 0.3115, 0.3710



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.



22.0332, 0.3077, 0.4739



37.4995, 0.3060, 0.5123



22.5075, 0.2798, 0.4053



6.0365, 0.3121, 0.3517



17.3956, 0.3009, 0.5993



0.1675, 0.3053, 0.5958

Inverse Universe

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



12.7922, 0.3150, 0.2155



19.0889, 0.3151, 0.1932



12.1258, 0.3699, 0.2649



5.5030, 0.3133, 0.3073



6.5915, 0.3137, 0.1502



0.0647, 0.3176, 0.1523

Previews

White Background



This preview shows how the Yxy color 22.0323, 0.3077, 0.4739 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 22.0323, 0.3077, 0.4739 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 22.0323, 0.3077, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 22.0323, 0.3077, 0.4739.



This preview shows how white text looks on a background with the Yxy color 22.0323, 0.3077, 0.4739.

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

22.0323, 0.3077, 0.4739

Protanopia

21.8935, 0.3946, 0.4296

Deuteranopia

21.7137, 0.4054, 0.3993



Tritanopia

21.9902, 0.2591, 0.3082

Trichromacy



Original Color

22.0323, 0.3077, 0.4739

Protanomaly

21.3696, 0.3585, 0.4463

Deuteranomaly

21.2947, 0.3656, 0.4268

Tritanomaly

21.8720, 0.2773, 0.3650

Monochromacy



Original Color

22.0323, 0.3077, 0.4739

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.6861, 0.3115, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0323, 0.3077, 0.4739 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(77, 144, 75)` looks like.

```
.text, #text, p{  
    color:rgb(77, 144, 75)  
}
```

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(77, 144, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 144, 75) }
```

Border

The CSS property to change the border of an element to Yxy 22.0323, 0.3077, 0.4739 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(77, 144, 75) }
```

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

```
.border{ border-color:rgb(77, 144, 75) }
```

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

Here you see how a box with a 4 pixel rgb(77, 144, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 144, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 144, 75);  
box-shadow:4px 4px 4px 4px rgb(77, 144,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0323, 0.3077, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 144, 75) }
```

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

```
.background{ background-color: rgb(77, 144,  
75) }
```

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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