

Converting Colors

$Y_{xy}(22.3304, 0.3146, 0.4882)$

Have a look what the booklet for
Yxy(22.3304, 0.3146, 0.4882)
contains.

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Color

Yxy(22.3304, 0.3146, 0.4882)

Conversions

Conversions Part 1

Format	Color
Hex	4F9144
RGB	79, 145, 68
RGB Percent	31%, 57%, 27%
CMY	0.6904, 0.4313, 0.7333
CMYK	0.46, 0.00, 0.53, 0.43
HSL	111°, 36%, 42%
HSV	111°, 53%, 57%
XYZ	14.3899, 22.3304, 9.0200
YIQ	116.4880, -14.6190, -37.9390

Conversions

Conversions Part 2

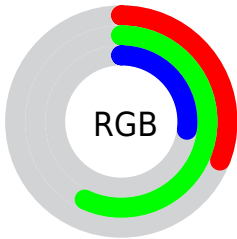
Format	Color
R_{YB}	68, 145, 134
Decimal	5214532
CIE _{Lab}	54.38, -36.86, 34.15
CIE _{LCh}	54, 50.247, 137.182
Y _{xy}	22.3304, 0.3146, 0.4882
Android (android.graphics.Color)	4283404612 (0xFF4F9144)
Y _{UV}	116.4880, -23.9046, -32.8770
Hunter-Lab	47.2551, -28.3404, 21.7613

Details

The Yxy color **22.3304, 0.3146, 0.4882** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.2520, 0.3021, 0.1997**, and the grayscale version is **17.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0604, 0.3171, 0.4493**, and **8.2381, 0.3042, 0.5590** is the 20% darker color. If you saturate the color by 10%, you get **21.6916, 0.3134, 0.5204**, and if you desaturate by 10%, it is **23.1147, 0.3152, 0.4547**.

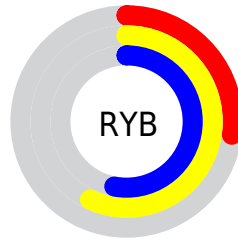
Distribution



Red (31%)

Green (57%)

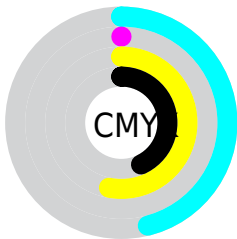
Blue (27%)



Red (27%)

Yellow (57%)

Blue (53%)

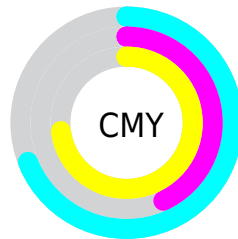


Cyan (46%)

Magenta (0%)

Yellow (53%)

Black (43%)



Cyan (69%)


Magenta (43%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3304, 0.3146, 0.4882 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 22.3304, 0.3146, 0.4882 by changing the saturation by 10% instead.


 22.3304, 0.3146,
0.4882


 22.3304, 0.3146,
0.4882


264.2669, 0.3175,
0.3938


 14.0999, 0.3112,
0.5178


 47.2915, 0.3172,
0.4497

 8.1902, 0.3044,
0.5595


 64.7908, 0.3177,
0.4365

 4.2169, 0.2916,
0.6266

 86.1485, 0.3179,
0.4259

 1.7956, 0.2545,
0.7455

 111.7491, 0.3179,
0.4172

 0.4844, 0.0000,
1.0000

 141.9767, 0.3179,
0.4099

 0.0000, 0.0000,
0.0000

177.2160, 0.3178,

0.4037

217.8513, 0.3177,
0.3984

■ 22.3304, 0.3146,
0.4882

■ 22.3304, 0.3146,
0.4882

■ 21.6916, 0.3134,
0.5204

■ 23.1147, 0.3152,
0.4547

■ 21.1866, 0.3115,
0.5492

■ 24.0497, 0.3152,
0.4217

■ 20.8065, 0.3091,
0.5723

■ 25.1440, 0.3147,
0.3906

■ 20.5399, 0.3062,
0.5882

■ 26.4045, 0.3140,
0.3620

■ 20.4093, 0.3047,
0.5963

■ 27.8377, 0.3130,
0.3364

■ 29.4499, 0.3120,
0.3137

■ 31.2470, 0.3108,
0.2937

■ 33.2347, 0.3097,
0.2763

■ 35.4182, 0.3085,
0.2612

Harmonies

Analogous

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



22.3304, 0.3973, 0.4859



22.3304, 0.3146, 0.4882



22.3304, 0.2358, 0.4209

Triad

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



22.3304, 0.3146, 0.4882



22.3304, 0.1747, 0.2057



22.3304, 0.4597, 0.3112

Complementary

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



22.3304, 0.3146, 0.4882



11.2520, 0.3021, 0.1997

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.



22.3304, 0.3812, 0.2560



22.3304, 0.3146, 0.4882



22.3304, 0.2169, 0.1978

Square

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



22.3304, 0.3146, 0.4882



22.3304, 0.1629, 0.2453



22.3304, 0.2894, 0.2159



22.3304, 0.4891, 0.3736

Rectangle

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



22.3304, 0.3146, 0.4882



22.3304, 0.1966, 0.3544



22.3304, 0.2894, 0.2159



22.3304, 0.4376, 0.2917

Sweetspot

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



22.3313, 0.3146, 0.4882



46.5179, 0.3143, 0.3709



23.3389, 0.3967, 0.4373



10.2566, 0.3144, 0.3760



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.



22.3313, 0.3146, 0.4882



38.6189, 0.3130, 0.5272



22.3082, 0.2845, 0.4354



6.0639, 0.3136, 0.3516



17.5105, 0.3049, 0.5961



0.1731, 0.3243, 0.5807

Inverse Universe

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



11.2520, 0.3021, 0.1997



16.5046, 0.2982, 0.1750



11.4641, 0.3625, 0.2441



5.4727, 0.3116, 0.3072



5.4620, 0.2861, 0.1350



0.0591, 0.3043, 0.1450

Previews

White Background



This preview shows how the Yxy color 22.3304, 0.3146, 0.4882 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 22.3304, 0.3146, 0.4882 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 22.3304, 0.3146, 0.4882

Background



This preview shows how black text looks on a background with the Yxy color 22.3304, 0.3146, 0.4882.



This preview shows how white text looks on a background with the Yxy color 22.3304, 0.3146, 0.4882.

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

22.3304, 0.3146, 0.4882

Protanopia

22.1638, 0.4018, 0.4407

Deuteranopia

21.9294, 0.4161, 0.4070



Tritanopia

22.0946, 0.2608, 0.3083

Trichromacy



Original Color

22.3304, 0.3146, 0.4882

Protanomaly

21.7027, 0.3668, 0.4584

Deuteranomaly

21.3676, 0.3743, 0.4361

Tritanomaly

21.8971, 0.2817, 0.3711

Monochromacy



Original Color

22.3304, 0.3146, 0.4882

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.9632, 0.3147, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3304, 0.3146, 0.4882 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(79, 145, 68)` looks like.

```
.text, #text, p{  
    color:rgb(79, 145, 68)  
}
```

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(79, 145, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 145, 68) }
```

Border

The CSS property to change the border of an element to Yxy 22.3304, 0.3146, 0.4882 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(79, 145, 68) }
```

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

```
.border{ border-color:rgb(79, 145, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 145, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 145, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 145, 68);  
box-shadow:4px 4px 4px 4px rgb(79, 145,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3304, 0.3146, 0.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 145, 68) }
```

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

```
.background{ background-color: rgb(79, 145,  
68) }
```

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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