

Converting Colors

$Yxy(21.9803, 0.3121, 0.4240)$

Have a look what the booklet for
Yxy(21.9803, 0.3121, 0.4240)
contains.

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Color

$\text{Yxy}(22.0333, 0.3113, 0.4240)$

Conversions

Conversions Part 1

Format	Color
Hex	608C5D
RGB	96, 140, 93
RGB Percent	38%, 55%, 36%
CMY	0.6236, 0.4510, 0.6353
CMYK	0.31, 0.00, 0.34, 0.45
HSL	116°, 20%, 46%
HSV	116°, 34%, 55%
XYZ	16.1768, 22.0333, 13.7552
YIQ	121.4860, -11.1370, -23.9450

Conversions

Conversions Part 2

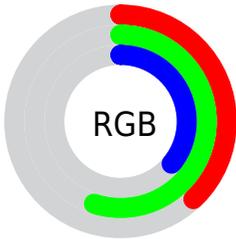
Format	Color
R_{YB}	93, 140, 137
Decimal	6327389
CIE _{Lab}	54.06, -24.90, 20.44
CIE _{LCh}	54, 32.219, 140.616
Yxy	22.0333, 0.3113, 0.4240
Android (android.graphics.Color)	4284517469 (0xFF608C5D)
YUV	121.4860, -14.0436, -22.3512
Hunter-Lab	46.9396, -20.6279, 15.4834

Details

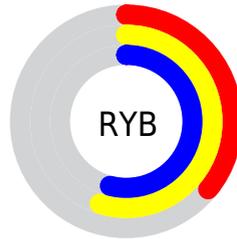
The Yxy color **22.0333, 0.3113, 0.4240** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0412, 0.3123, 0.2477**, and the grayscale version is **19.3349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8931, 0.3124, 0.4010**, and **8.1139, 0.3075, 0.4689** is the 20% darker color. If you saturate the color by 10%, you get **21.1558, 0.3104, 0.4577**, and if you desaturate by 10%, it is **23.0767, 0.3120, 0.3923**.

Distribution



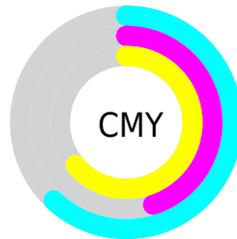
- Red (38%)
- Green (55%)
- Blue (36%)



- Red (36%)
- Yellow (55%)
- Blue (54%)



- Cyan (31%)
- Magenta (0%)
- Yellow (34%)
- Black (45%)



- Cyan (62%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0333, 0.3113, 0.4240 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 22.0333, 0.3113, 0.4240 by changing the saturation by 10% instead.

 22.0333, 0.3113,
0.4240

 22.0333, 0.3113,
0.4240

262.7201, 0.3135,
0.3682

 13.8814, 0.3099,
0.4416

 46.8010, 0.3126,
0.4013

 8.0382, 0.3072,
0.4669

 64.1856, 0.3129,
0.3936

 4.1194, 0.3015,
0.5062

 85.4165, 0.3131,
0.3873

 1.7406, 0.3030,
0.6047

 110.8782, 0.3133,
0.3821

 0.4497, 0.0000,
1.0000

140.9550, 0.3134,
0.3778

 0.0000, 0.0000,
0.0000

176.0313, 0.3134,

0.3742

216.4916, 0.3134,
0.3710

■ 22.0333, 0.3113,
0.4240

■ 22.0333, 0.3113,
0.4240

■ 21.1558, 0.3104,
0.4577

■ 23.0767, 0.3120,
0.3923

■ 20.4329, 0.3091,
0.4919

■ 24.2909, 0.3124,
0.3633

■ 19.8567, 0.3076,
0.5246

■ 25.6842, 0.3127,
0.3375

■ 19.4169, 0.3059,
0.5535

■ 27.2634, 0.3128,
0.3147

■ 19.1023, 0.3041,
0.5762

■ 29.0349, 0.3128,
0.2949

 18.8997, 0.3024,
0.5913

 31.0050, 0.3127,
0.2777

 18.8152, 0.3019,
0.5985

 33.1795, 0.3126,
0.2628

 35.5641, 0.3124,
0.2499

 38.1642, 0.3122,
0.2388

Harmonies

Analogous

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



22.0333, 0.3672, 0.4334



22.0333, 0.3113, 0.4240



22.0333, 0.2585, 0.3797

Triad

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



22.0333, 0.3113, 0.4240



22.0333, 0.2201, 0.2441



22.0333, 0.4113, 0.3253

Complementary

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



22.0333, 0.3113, 0.4240



15.0412, 0.3123, 0.2477

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.



22.0333, 0.3645, 0.2841



22.0333, 0.3113, 0.4240



22.0333, 0.2536, 0.2389

Square

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



22.0333, 0.3113, 0.4240



22.0333, 0.2093, 0.2717



22.0333, 0.3055, 0.2534



22.0333, 0.4282, 0.3702

Rectangle

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



22.0333, 0.3113, 0.4240



22.0333, 0.2320, 0.3402



22.0333, 0.3055, 0.2534



22.0333, 0.3984, 0.3108

Sweetspot

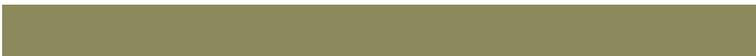
The Sweet Spot groups the original color and five complimentary colors.



22.0342, 0.3113, 0.4240



43.6134, 0.3125, 0.3543



24.2209, 0.3630, 0.4049



9.9814, 0.3125, 0.3576



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.0342, 0.3113, 0.4240



37.6910, 0.3106, 0.4483



22.2853, 0.2897, 0.3821



5.6225, 0.3125, 0.3515



16.7202, 0.3020, 0.5984



0.1128, 0.3113, 0.5910

Inverse Universe

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



15.0412, 0.3123, 0.2477



23.4781, 0.3120, 0.2305



14.7514, 0.3454, 0.2815



5.1131, 0.3128, 0.3074



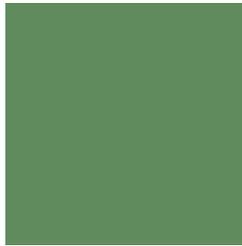
5.9792, 0.3054, 0.1456



0.0420, 0.3137, 0.1502

Previews

White Background



This preview shows how the Yxy color 22.0333, 0.3113, 0.4240 looks on a white background.

Color Contrast Check

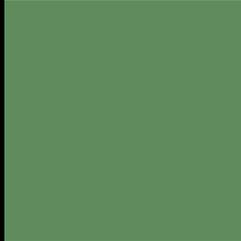
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0333, 0.3113, 0.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

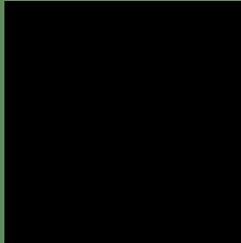
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0333, 0.3113, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 22.0333, 0.3113, 0.4240.



This preview shows how white text looks on a background with the Yxy color 22.0333, 0.3113, 0.4240.

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

22.0333, 0.3113, 0.4240

Protanopia

21.8941, 0.3714, 0.4014

Deuteranopia

21.7044, 0.3811, 0.3728



Tritanopia

22.0671, 0.2727, 0.3105

Trichromacy



Original Color

22.0333, 0.3113, 0.4240

Protanomaly

21.7242, 0.3471, 0.4097

Deuteranomaly

21.4506, 0.3534, 0.3892

Tritanomaly

21.9138, 0.2874, 0.3502

Monochromacy



Original Color

22.0333, 0.3113, 0.4240

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.0308, 0.3123, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0333, 0.3113, 0.4240 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(96, 140, 93)` looks like.

```
.text, #text, p{  
    color:rgb(96, 140, 93)  
}
```

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(96, 140, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 140, 93) }
```

Border

The CSS property to change the border of an element to Yxy 22.0333, 0.3113, 0.4240 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(96, 140, 93) }
```

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

```
.border{ border-color:rgb(96, 140, 93) }
```

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

Here you see how a box with a 4 pixel rgb(96, 140, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 140, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 140, 93);  
box-shadow:4px 4px 4px 4px rgb(96, 140,  
93) }
```

Background

The CSS property to change the background color of an element to Yxy 22.0333, 0.3113, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 140, 93) }
```

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

```
.background{ background-color: rgb(96, 140,  
93) }
```

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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