Converting Colors

Yxy(22.0301, 0.3196, 0.4102)

Have a look what the booklet for Yxy(22.0301, 0.3196, 0.4102) contains.

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Color

Yxy(22.0857, 0.3195, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	6A8A60
RGB	106, 138, 96
RGB Percent	42%, 54%, 38%
CMY	0.5843, 0.4588, 0.6235
CMYK	0.23, 0.00, 0.30, 0.46
HSL	106°, 18%, 46%
HSV	106°, 30%, 54%
XYZ	17.1438, 22.0857, 14.4287
YIQ	123.6440, -5.5900, -19.8460

Conversions

Conversions Part 2

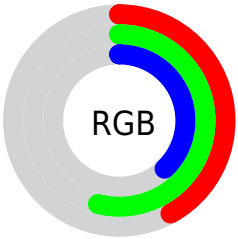
Format	Color
RYB	96, 138, 128
Decimal	6982240
CIELab	54.12, -19.73, 18.93
CIELCh	54, 27.339, 136.185
Yxy	22.0857, 0.3195, 0.4116
Android (android.graphics.Color)	4285172320 (0xFF6A8A60)
YUV	123.6440, -13.6285, -15.4738
Hunter-Lab	46.9954, -17.1258, 14.6934

Details

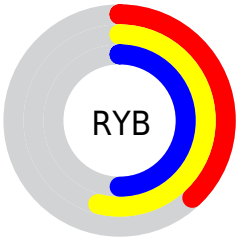
The Yxy color 22.0857, 0.3195, 0.4116 is a dark color, and the websafe version is hex 669966. A complement of this color would be 14.7941, 0.3025, 0.2531, and the grayscale version is 20.0795, 0.3127, 0.3290.

A 20% lighter version of the original color is 47.0750, 0.3186, 0.3924, and 8.0711, 0.3191, 0.4493 is the 20% darker color. If you saturate the color by 10%, you get 21.2489, 0.3209, 0.4431, and if you desaturate by 10%, it is 23.0481, 0.3176, 0.3819.

Distribution

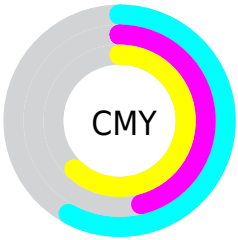


- Red (42%)
- Green (54%)
- Blue (38%)



- Red (38%)
- Yellow (54%)
- Blue (50%)

- Cyan (23%)
- Magenta (0%)
- Yellow (30%)
- Black (46%)



- Cyan (58%)
- Magenta (46%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0857, 0.3195, 0.4116 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 22.0857, 0.3195, 0.4116 by changing the saturation by 10% instead.

22.0857, 0.3195, 0.4116

262.9935, 0.3167, 0.3635

46.8876, 0.3187, 0.3921

64.2925, 0.3184, 0.3854

85.5458, 0.3180, 0.3800

111.0320, 0.3177, 0.3756

141.1355, 0.3174, 0.3718

176.2407, 0.3171,

22.0857, 0.3195, 0.4116

13.9199, 0.3197, 0.4266

8.0650, 0.3195, 0.4481

4.1365, 0.3180, 0.4812

1.7502, 0.3228, 0.5568

0.4559, 0.0000, 1.0000

0.0000, 0.0000, 0.0000

0.3686

216.7319, 0.3169, 0.3659

22.0857, 0.3195, 0.4116

21.2489, 0.3209, 0.4431

20.5296, 0.3216, 0.4754

19.9234, 0.3213, 0.5070

19.4240, 0.3200, 0.5360

19.0249, 0.3175, 0.5605

22.0857, 0.3195, 0.4116

23.0481, 0.3176, 0.3819

24.1381, 0.3153, 0.3546

25.3613, 0.3128, 0.3300

26.7221, 0.3103, 0.3080

28.2245, 0.3078, 0.2886

18.7185, 0.3140, 0.5788

18.4981, 0.3106, 0.5916

29.8726, 0.3054, 0.2715

31.6702, 0.3030, 0.2565

33.6210, 0.3008, 0.2434

35.7286, 0.2987, 0.2319

Harmonies

Analogous

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

22.0857, 0.3664, 0.4162

22.0857, 0.3195, 0.4116

22.0857, 0.2729, 0.3783

Triad

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

22.0857, 0.3195, 0.4116

22.0857, 0.2303, 0.2587

22.0857, 0.3916, 0.3209

Complementary

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

22.0857, 0.3195, 0.4116

14.7941, 0.3025, 0.2531

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.

22.0857, 0.3497, 0.2858

22.0857, 0.3195, 0.4116

22.0857, 0.2568, 0.2508

Square

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

22.0857, 0.3195, 0.4116

22.0857, 0.2239, 0.2860

22.0857, 0.2997, 0.2609

22.0857, 0.4105, 0.3599

Rectangle

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

22.0857, 0.3195, 0.4116

22.0857, 0.2482, 0.3464

22.0857, 0.2997, 0.2609

22.0857, 0.3796, 0.3085

Sweetspot

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

22.0866, 0.3195, 0.4116

42.7988, 0.3150, 0.3514

21.5581, 0.3618, 0.3852

9.5407, 0.3153, 0.3547

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.

22.0866, 0.3195, 0.4116

37.8215, 0.3206, 0.4347

21.7167, 0.2988, 0.3923

5.6619, 0.3150, 0.3513

16.9653, 0.3108, 0.5915

0.1185, 0.3387, 0.5693

Inverse Universe

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

14.7941, 0.3025, 0.2531

22.6887, 0.2992, 0.2341

15.3173, 0.3304, 0.2731

5.0701, 0.3102, 0.3072

4.4534, 0.2630, 0.1222

0.0363, 0.2921, 0.1383

Previews

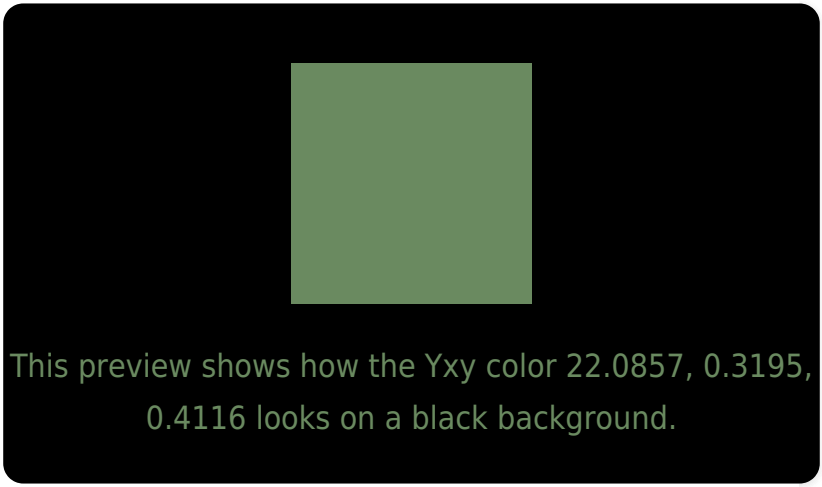
White Background

This preview shows how the Yxy color 22.0857, 0.3195, 0.4116 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



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 22.0857, 0.3195, 0.4116

Background

This preview shows how black text looks on a background with the Yxy color 22.0857, 0.3195, 0.4116.

This preview shows how white text looks on a background with the Yxy color 22.0857, 0.3195, 0.4116.

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
22.0857, 0.3195, 0.4116

Protanopia
21.9622, 0.3669, 0.3944

Deuteranopia
21.8955, 0.3768, 0.3713

Tritanopia
22.0631, 0.2822, 0.3090

Trichromacy

Original Color
22.0857, 0.3195, 0.4116

Protanomaly
21.8049, 0.3492, 0.4012

Deuteranomaly
21.7333, 0.3550, 0.3848

Tritanomaly
21.9361, 0.2956, 0.3440

Monochromacy

Original Color
22.0857, 0.3195, 0.4116

Achromatopsia
20.1556, 0.3127, 0.3290

Achromatomaly
20.6973, 0.3149, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0857, 0.3195, 0.4116 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(106, 138, 96) looks like.

```
.text, #text, p{
    color:rgb(106, 138, 96)
}
```

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(106, 138, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 138, 96) }
```

Border

The CSS property to change the border of an element to Yxy 22.0857, 0.3195, 0.4116 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(106, 138, 96) }
```

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

```
.border{ border-color:rgb(106, 138, 96) }
```

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

Here you see how a box with a 4 pixel rgb(106, 138, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 138, 96); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 138, 96); box-shadow:4px 4px 4px 4px rgb(106, 138, 96) }
```

Background

The CSS property to change the background color of an element to Yxy 22.0857, 0.3195, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(106, 138, 96) }
```

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

```
.background{ background-color:rgb(106, 138, 96) }
```

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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