

Converting Colors

$Y_{xy}(23.4489, 0.3297, 0.4400)$

Have a look what the booklet for
Yxy(23.4489, 0.3297, 0.4400)
contains.

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Color

Yxy(23.4266, 0.3298, 0.4408)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6B8F55 |
| RGB | 107, 143, 85 |
| RGB Percent | 42%, 56%, 33% |
| CMY | 0.5803, 0.4392, 0.6667 |
| CMYK | 0.25, 0.00, 0.41, 0.44 |
| HSL | 97°, 25%, 45% |
| HSV | 97°, 41%, 56% |
| XYZ | 17.5274, 23.4266, 12.1916 |
| YIQ | 125.6240, -2.8380, -25.6700 |

Conversions

Conversions Part 2

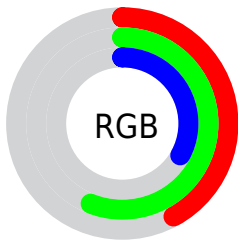
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 85, 143, 121 |
| Decimal | 7049045 |
| CIELab | 55.51, -23.63, 26.89 |
| CIELCh | 56, 35.802, 131.306 |
| Yxy | 23.4266, 0.3298, 0.4408 |
| Android (android.graphics.Color) | 4285239125 (0xFF6B8F55) |
| YUV | 125.6240, -20.0276, -16.3332 |
| Hunter-Lab | 48.4010, -20.0617, 18.9463 |

Details

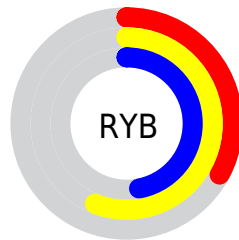
The Yxy color $23.4266, 0.3298, 0.4408$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.5430, 0.2863, 0.2232$, and the grayscale version is $20.8015, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.1554, 0.3281, 0.4153$, and $8.6938, 0.3324, 0.4880$ is the 20% darker color. If you saturate the color by 10%, you get $22.7008, 0.3323, 0.4714$, and if you desaturate by 10%, it is $24.2568, 0.3263, 0.4106$.

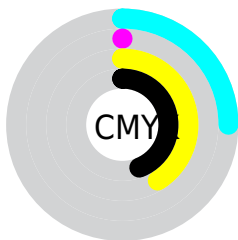
Distribution



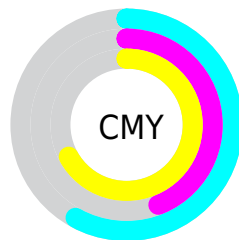
- Red (42%)
- Green (56%)
- Blue (33%)



- Red (33%)
- Yellow (56%)
- Blue (47%)



- Cyan (25%)
- Magenta (0%)
- Yellow (41%)
- Black (44%)





- Cyan (58%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4266, 0.3298, 0.4408 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 23.4266, 0.3298, 0.4408 by changing the saturation by 10% instead.


 23.4266, 0.3298,
0.4408


 23.4266, 0.3298,
0.4408


269.9086, 0.3222,
0.3760


 14.9088, 0.3308,
0.4606


 49.0929, 0.3275,
0.4147


 8.7554, 0.3313,
0.4885


 67.0101, 0.3265,
0.4057


 4.5820, 0.3294,
0.5302

 88.8294, 0.3255,
0.3984

 2.0042, 0.3488,
0.6512

 114.9349, 0.3247,
0.3924

 0.6099, 0.0045,
0.9955

 145.7112, 0.3240,
0.3873

 0.0000, 0.0000,
0.0000

181.5427, 0.3233,

0.3830

222.8137, 0.3227,
0.3792

■ 23.4266, 0.3298,
0.4408

■ 23.4266, 0.3298,
0.4408

■ 22.7008, 0.3323,
0.4714

■ 24.2568, 0.3263,
0.4106

■ 22.0719, 0.3336,
0.5011

■ 25.1924, 0.3221,
0.3817

■ 21.5359, 0.3333,
0.5283

■ 26.2385, 0.3176,
0.3549

■ 21.0877, 0.3312,
0.5514


■ 27.3988, 0.3130,
0.3303

■ 20.7210, 0.3275,
0.5690

■ 28.6767, 0.3083,
0.3081

 20.4372, 0.3232,
0.5815

 30.0756, 0.3038,
0.2883

 31.5988, 0.2995,
0.2706

 33.2493, 0.2954,
0.2549

 35.0302, 0.2916,
0.2410

Harmonies

Analogous

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



23.4266, 0.3881, 0.4376



23.4266, 0.3298, 0.4408



23.4266, 0.2699, 0.4029

Triad

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



23.4266, 0.3298, 0.4408



23.4266, 0.2066, 0.2436



23.4266, 0.4071, 0.3099

Complementary

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



23.4266, 0.3298, 0.4408



12.5430, 0.2863, 0.2232

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.



23.4266, 0.3493, 0.2687



23.4266, 0.3298, 0.4408



23.4266, 0.2351, 0.2312

Square

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



23.4266, 0.3298, 0.4408



23.4266, 0.2027, 0.2805



23.4266, 0.2855, 0.2407



23.4266, 0.4368, 0.3576

Rectangle

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



23.4266, 0.3298, 0.4408



23.4266, 0.2372, 0.3614



23.4266, 0.2855, 0.2407



23.4266, 0.3900, 0.2951

Sweetspot

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



23.4276, 0.3298, 0.4408



46.6586, 0.3184, 0.3593



20.1131, 0.3853, 0.3919



10.6499, 0.3189, 0.3622



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.



23.4276, 0.3298, 0.4408



40.7182, 0.3322, 0.4698



22.3444, 0.3013, 0.4347



6.1229, 0.3170, 0.3513



18.0820, 0.3236, 0.5813



0.1848, 0.3579, 0.5540

Inverse Universe

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



12.5430, 0.2863, 0.2232



18.3531, 0.2780, 0.1976



14.1204, 0.3268, 0.2424



5.4101, 0.3081, 0.3069



3.6305, 0.2299, 0.1040



0.0474, 0.2722, 0.1273

Previews

White Background



This preview shows how the Yxy color 23.4266, 0.3298, 0.4408 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 23.4266, 0.3298, 0.4408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

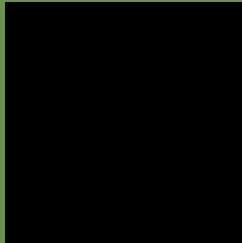
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4266, 0.3298, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 23.4266, 0.3298, 0.4408.



This preview shows how white text looks on a background with the Yxy color 23.4266, 0.3298, 0.4408.

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

23.4266, 0.3298, 0.4408

Protanopia

23.3889, 0.3841, 0.4169

Deuteranopia

23.2709, 0.3971, 0.3901



Tritanopia

23.4968, 0.2820, 0.3095

Trichromacy



Original Color

23.4266, 0.3298, 0.4408

Protanomaly

23.3258, 0.3632, 0.4273

Deuteranomaly

23.0551, 0.3704, 0.4074

Tritanomaly

23.4312, 0.2997, 0.3568

Monochromacy



Original Color

23.4266, 0.3298, 0.4408

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.5722, 0.3201, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4266, 0.3298, 0.4408 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(107, 143, 85)` looks like.

```
.text, #text, p{  
    color:rgb(107, 143, 85)  
}
```

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(107, 143, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 143, 85) }
```

Border

The CSS property to change the border of an element to Yxy 23.4266, 0.3298, 0.4408 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(107, 143, 85) }
```

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

```
.border{ border-color:rgb(107, 143, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 143, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 143, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 143, 85);  
box-shadow:4px 4px 4px 4px rgb(107, 143,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4266, 0.3298, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 143, 85) }
```

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

```
.background{ background-color: rgb(107,  
143, 85) }
```

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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