

Converting Colors

$Y_{xy}(22.4276, 0.3042, 0.4410)$

Have a look what the booklet for
Yxy(22.4276, 0.3042, 0.4410)
contains.

Yxy(22.3446, 0.3047, 0.4402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3446, 0.3047, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	568F59
RGB	86, 143, 89
RGB Percent	34%, 56%, 35%
CMY	0.6626, 0.4392, 0.6510
CMYK	0.40, 0.00, 0.38, 0.44
HSL	123°, 25%, 45%
HSV	123°, 40%, 56%
XYZ	15.4666, 22.3446, 12.9489
YIQ	119.8010, -16.6380, -28.8780

Conversions

Conversions Part 2

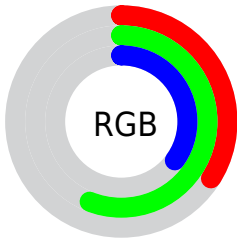
Format	Color
RYB	86, 140, 143
Decimal	5672793
CIELab	54.39, -30.43, 23.01
CIELCh	54, 38.154, 142.908
Yxy	22.3446, 0.3047, 0.4402
Android (android.graphics.Color)	4283862873 (0xFF568F59)
YUV	119.8010, -15.1849, -29.6435
Hunter-Lab	47.2701, -24.3180, 16.8475

Details

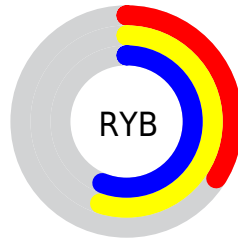
The Yxy color $22.3446, 0.3047, 0.4402$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.3972, 0.3212, 0.2385$, and the grayscale version is $18.7726, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2292, 0.3073, 0.4125$, and $8.1788, 0.2970, 0.4919$ is the 20% darker color. If you saturate the color by 10%, you get $21.5257, 0.3028, 0.4736$, and if you desaturate by 10%, it is $23.3432, 0.3068, 0.4082$.

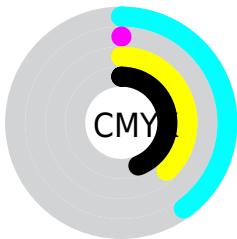
Distribution



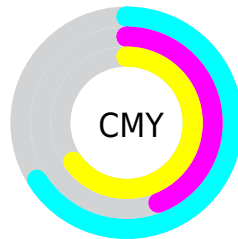
- Red (34%)
- Green (56%)
- Blue (35%)



- Red (34%)
- Yellow (55%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (44%)





- Cyan (66%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3446, 0.3047, 0.4402 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 22.3446, 0.3047, 0.4402 by changing the saturation by 10% instead.


 22.3446, 0.3047,
0.4402


 22.3446, 0.3047,
0.4402


264.3406, 0.3111,
0.3746


 14.1103, 0.3017,
0.4610


 47.3149, 0.3079,
0.4134


 8.1974, 0.2967,
0.4909


 64.8197, 0.3088,
0.4043


 4.2215, 0.2870,
0.5374

 86.1835, 0.3094,
0.3969

 1.7982, 0.2861,
0.6671

 111.7906, 0.3099,
0.3909

 0.4861, 0.0000,
1.0000

 142.0255, 0.3103,
0.3858

 0.0000, 0.0000,
0.0000

177.2725, 0.3106,

0.3815

217.9161, 0.3109,
0.3778

■ 22.3446, 0.3047,
0.4402

■ 22.3446, 0.3047,
0.4402

■ 21.5257, 0.3028,
0.4736

■ 23.3432, 0.3068,
0.4082

■ 20.8732, 0.3011,
0.5067

■ 24.5282, 0.3089,
0.3787

■ 20.3765, 0.2998,
0.5375


■ 25.9095, 0.3109,
0.3521


■ 20.0225, 0.2991,
0.5636


■ 27.4954, 0.3127,
0.3286

■ 19.7963, 0.2989,
0.5831

■ 29.2938, 0.3145,
0.3081

 19.6619, 0.2988,
0.5954

 31.3122, 0.3161,
0.2903

 19.6598, 0.2988,
0.5956

 33.5576, 0.3175,
0.2750

 36.0367, 0.3188,
0.2618

 38.7562, 0.3200,
0.2504

Harmonies

Analogous

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



22.3446, 0.3703, 0.4529



22.3446, 0.3047, 0.4402



22.3446, 0.2447, 0.3840

Triad

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



22.3446, 0.3047, 0.4402



22.3446, 0.2077, 0.2291



22.3446, 0.4320, 0.3272

Complementary

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



22.3446, 0.3047, 0.4402



14.3972, 0.3212, 0.2385

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.



22.3446, 0.3785, 0.2799



22.3446, 0.3047, 0.4402



22.3446, 0.2475, 0.2256

Square

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



22.3446, 0.3047, 0.4402



22.3446, 0.1933, 0.2577



22.3446, 0.3089, 0.2440



22.3446, 0.4481, 0.3786

Rectangle

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



22.3446, 0.3047, 0.4402



22.3446, 0.2157, 0.3359



22.3446, 0.3089, 0.2440



22.3446, 0.4176, 0.3106

Sweetspot

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



22.3455, 0.3047, 0.4402



45.7691, 0.3104, 0.3583



25.9045, 0.3670, 0.4255



10.4299, 0.3102, 0.3612



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.



22.3455, 0.3047, 0.4402



38.6594, 0.3029, 0.4709



22.9173, 0.2803, 0.3801



6.0336, 0.3110, 0.3505



17.3852, 0.2987, 0.5953



0.1669, 0.2925, 0.5731

Inverse Universe

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



14.3972, 0.3212, 0.2385



22.3274, 0.3234, 0.2193



13.6651, 0.3646, 0.2836



5.5063, 0.3145, 0.3084



6.7256, 0.3340, 0.1614



0.0653, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 22.3446, 0.3047, 0.4402 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 22.3446, 0.3047, 0.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

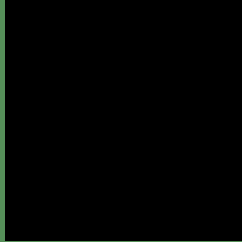
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3446, 0.3047, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 22.3446, 0.3047, 0.4402.



This preview shows how white text looks on a background with the Yxy color 22.3446, 0.3047, 0.4402.

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

22.3446, 0.3047, 0.4402

Protanopia

22.0033, 0.3785, 0.4075

Deuteranopia

22.0756, 0.3880, 0.3805



Tritanopia

22.3116, 0.2642, 0.3085

Trichromacy



Original Color

22.3446, 0.3047, 0.4402

Protanomaly

21.7870, 0.3483, 0.4195

Deuteranomaly

21.6724, 0.3532, 0.4008

Tritanomaly

22.3513, 0.2792, 0.3543

Monochromacy



Original Color

22.3446, 0.3047, 0.4402

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.7306, 0.3098, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3446, 0.3047, 0.4402 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 $rgb(86, 143, 89)$ looks like.

```
.text, #text, p{  
    color:rgb(86, 143, 89)  
}
```

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(86, 143, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 143, 89) }
```

Border

The CSS property to change the border of an element to Yxy 22.3446, 0.3047, 0.4402 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(86, 143, 89) }
```

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

```
.border{ border-color:rgb(86, 143, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 143, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 143, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 143, 89);  
box-shadow:4px 4px 4px 4px rgb(86, 143,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3446, 0.3047, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 143, 89) }
```

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

```
.background{ background-color: rgb(86, 143,  
89) }
```

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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