

Converting Colors

$Y_{xy}(22.5784, 0.2960, 0.4070)$

Have a look what the booklet for
Yxy(22.5784, 0.2960, 0.4070)
contains.

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Color

Yxy(22.5191, 0.2954, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	5A8E68
RGB	90, 142, 104
RGB Percent	35%, 56%, 41%
CMY	0.6468, 0.4432, 0.5921
CMYK	0.37, 0.00, 0.27, 0.44
HSL	136°, 22%, 46%
HSV	136°, 37%, 56%
XYZ	16.3927, 22.5191, 16.5813
YIQ	122.1200, -18.7940, -22.8420

Conversions

Conversions Part 2

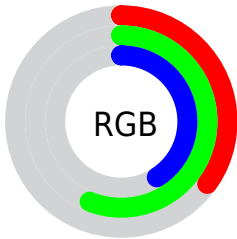
Format	Color
R_{YB}	90, 131, 142
Decimal	5934696
CIE _{Lab}	54.57, -25.88, 14.88
CIE _{LCh}	55, 29.849, 150.109
Yxy	22.5191, 0.2954, 0.4058
Android (android.graphics.Color)	4284124776 (0xFF5A8E68)
YUV	122.1200, -8.9332, -28.1692
Hunter-Lab	47.4543, -21.3838, 12.5011

Details

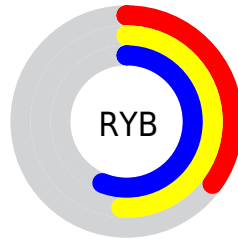
The Yxy color $22.5191, 0.2954, 0.4058$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.6321, 0.3365, 0.2631$, and the grayscale version is $19.5424, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.5972, 0.3001, 0.3880$, and $8.2287, 0.2854, 0.4386$ is the 20% darker color. If you saturate the color by 10%, you get $21.6759, 0.2915, 0.4315$, and if you desaturate by 10%, it is $23.5262, 0.2998, 0.3819$.

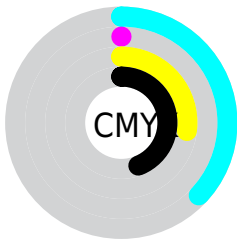
Distribution



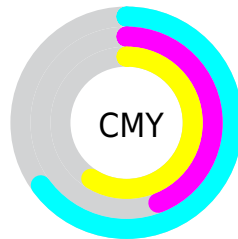
- Red (35%)
- Green (56%)
- Blue (41%)



- Red (35%)
- Yellow (51%)
- Blue (56%)



- Cyan (37%)
- Magenta (0%)
- Yellow (27%)
- Black (44%)





- Cyan (65%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5191, 0.2954, 0.4058 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 22.5191, 0.2954, 0.4058 by changing the saturation by 10% instead.


 22.5191, 0.2954,
0.4058


 22.5191, 0.2954,
0.4058


265.2453, 0.3060,
0.3610


 14.2388, 0.2918,
0.4199


 47.6025, 0.2999,
0.3876

 8.2870, 0.2864,
0.4402


 65.1744, 0.3014,
0.3814

 4.2791, 0.2774,
0.4718

 86.6122, 0.3025,
0.3763

 1.8309, 0.2617,
0.5306

 112.3005, 0.3035,
0.3722

 0.5063, 0.0000,
1.0000

142.6235, 0.3043,
0.3687

 0.0000, 0.0000,
0.0000

177.9657, 0.3050,

0.3657

218.7115, 0.3055,
0.3632

■ 22.5191, 0.2954,
0.4058

■ 22.5191, 0.2954,
0.4058

■ 21.6759, 0.2915,
0.4315

■ 23.5262, 0.2998,
0.3819

■ 20.9852, 0.2885,
0.4584

■ 24.7025, 0.3046,
0.3601

■ 20.4382, 0.2866,
0.4856

■ 26.0563, 0.3095,
0.3406

■ 20.0244, 0.2861,
0.5119

■ 27.5949, 0.3144,
0.3233

■ 19.7315, 0.2870,
0.5361

■ 29.3247, 0.3191,
0.3081

■ 19.5401, 0.2892,
0.5569

■ 31.2522, 0.3237,
0.2948

■ 19.4846, 0.2898,
0.5634

■ 33.3833, 0.3280,
0.2831

■ 35.7240, 0.3321,
0.2730

■ 38.2796, 0.3359,
0.2642

Harmonies

Analogous

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



22.5191, 0.3477, 0.4257



22.5191, 0.2954, 0.4058



22.5191, 0.2501, 0.3587

Triad

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



22.5191, 0.2954, 0.4058



22.5191, 0.2346, 0.2467



22.5191, 0.4117, 0.3392

Complementary

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



22.5191, 0.2954, 0.4058



14.6321, 0.3365, 0.2631

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.



22.5191, 0.3762, 0.2989



22.5191, 0.2954, 0.4058



22.5191, 0.2719, 0.2477

Square

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



22.5191, 0.2954, 0.4058



22.5191, 0.2175, 0.2660



22.5191, 0.3235, 0.2664



22.5191, 0.4173, 0.3805

Rectangle

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



22.5191, 0.2954, 0.4058



22.5191, 0.2295, 0.3226



22.5191, 0.3235, 0.2664



22.5191, 0.4028, 0.3253

Sweetspot

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



22.5200, 0.2954, 0.4058



44.8024, 0.3072, 0.3494



24.6833, 0.3495, 0.4219



9.9450, 0.3066, 0.3517



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.



22.5200, 0.2954, 0.4058



38.4560, 0.2921, 0.4271



23.1287, 0.2729, 0.3524



6.0517, 0.3082, 0.3455



17.4991, 0.2896, 0.5626



0.1706, 0.2680, 0.4848

Inverse Universe

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



14.6321, 0.3365, 0.2631



22.4101, 0.3437, 0.2483



14.0353, 0.3771, 0.3073



5.4866, 0.3175, 0.3130



6.0613, 0.4005, 0.1980



0.0616, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 22.5191, 0.2954, 0.4058 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 22.5191, 0.2954, 0.4058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

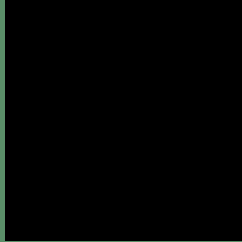
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5191, 0.2954, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 22.5191, 0.2954, 0.4058.



This preview shows how white text looks on a background with the Yxy color 22.5191, 0.2954, 0.4058.

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

22.5191, 0.2954, 0.4058

Protanopia

22.3361, 0.3596, 0.3855

Deuteranopia

22.2340, 0.3640, 0.3578



Tritanopia

22.3676, 0.2651, 0.3086

Trichromacy



Original Color

22.5191, 0.2954, 0.4058

Protanomaly

22.0352, 0.3337, 0.3930

Deuteranomaly

21.8833, 0.3354, 0.3731

Tritanomaly

22.3024, 0.2765, 0.3424

Monochromacy



Original Color

22.5191, 0.2954, 0.4058

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.2533, 0.3057, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5191, 0.2954, 0.4058 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(90, 142, 104)` looks like.

```
.text, #text, p{  
    color:rgb(90, 142, 104)  
}
```

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(90, 142, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 142, 104) }
```

Border

The CSS property to change the border of an element to Yxy 22.5191, 0.2954, 0.4058 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(90, 142, 104) }
```

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

```
.border{ border-color:rgb(90, 142, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 142, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 142, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 142, 104);  
box-shadow:4px 4px 4px 4px rgb(90, 142,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5191, 0.2954, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 142, 104) }
```

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

```
.background{ background-color: rgb(90, 142,  
104) }
```

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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