

Converting Colors

$Y_{xy}(25.3898, 0.2810, 0.4316)$

Have a look what the booklet for
Yxy(25.3898, 0.2810, 0.4316)
contains.

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Color

Yxy(25.3926, 0.2812, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	469A67
RGB	70, 154, 103
RGB Percent	27%, 60%, 40%
CMY	0.7255, 0.3961, 0.5961
CMYK	0.55, 0.00, 0.33, 0.40
HSL	144°, 38%, 44%
HSV	144°, 55%, 60%
XYZ	16.5287, 25.3926, 16.8579
YIQ	123.0700, -33.6930, -33.6690

Conversions

Conversions Part 2

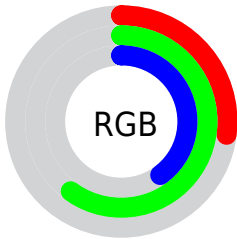
Format	Color
RYB	70, 130, 154
Decimal	4627047
CIELab	57.46, -37.54, 19.25
CIELCh	57, 42.186, 152.843
Yxy	25.3926, 0.2812, 0.4320
Android (android.graphics.Color)	4282817127 (0xFF469A67)
YUV	123.0700, -9.8945, -46.5424
Hunter-Lab	50.3911, -29.6348, 15.4388

Details

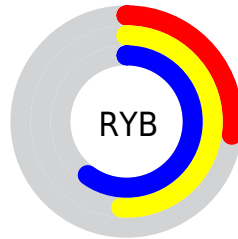
The Yxy color **25.3926, 0.2812, 0.4320** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6313, 0.3710, 0.2470**, and the grayscale version is **19.8730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2940, 0.2896, 0.4082**, and **9.7786, 0.2663, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **24.7151, 0.2783, 0.4551**, and if you desaturate by 10%, it is **26.2400, 0.2854, 0.4097**.

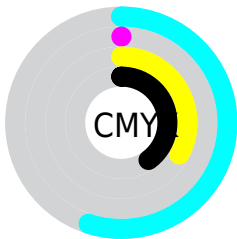
Distribution



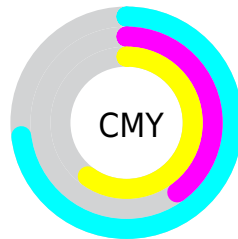
- Red (27%)
- Green (60%)
- Blue (40%)



- Red (27%)
- Yellow (51%)
- Blue (60%)



- Cyan (55%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)




- Cyan (73%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3926, 0.2812, 0.4320 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 25.3926, 0.2812, 0.4320 by changing the saturation by 10% instead.


 25.3926, 0.2812,
0.4320


 25.3926, 0.2812,
0.4320

279.7875, 0.3001,
0.3722


 16.3698, 0.2750,
0.4505


 52.2934, 0.2891,
0.4078

 9.7862, 0.2659,
0.4770


 70.9402, 0.2917,
0.3995


 5.2574, 0.2514,
0.5175

 93.5638, 0.2938,
0.3928

 2.3991, 0.2262,
0.5880

 120.5486, 0.2955,
0.3872

 0.8254, 0.0000,
1.0000

 152.2790, 0.2970,
0.3826

 0.0000, 0.0000,
0.0000

189.1393, 0.2982,

0.3786

231.5140, 0.2992,
0.3751

■ 25.3926, 0.2812,
0.4320

■ 25.3926, 0.2812,
0.4320

■ 24.7151, 0.2783,
0.4551

■ 26.2400, 0.2854,
0.4097

■ 24.1923, 0.2770,
0.4783

■ 27.2652, 0.2907,
0.3886

■ 23.8114, 0.2775,
0.5008

■ 28.4792, 0.2967,
0.3692

■ 23.5552, 0.2797,
0.5216

■ 29.8911, 0.3031,
0.3515

■ 23.4440, 0.2812,
0.5323

■ 31.5096, 0.3097,
0.3356

■ 33.3428, 0.3163,
0.3215

■ 35.3982, 0.3229,
0.3091

■ 37.6832, 0.3292,
0.2981

■ 40.2046, 0.3354,
0.2886

Harmonies

Analogous

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



25.3926, 0.3505, 0.4618



25.3926, 0.2812, 0.4320



25.3926, 0.2241, 0.3619

Triad

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



25.3926, 0.2812, 0.4320



25.3926, 0.2132, 0.2199



25.3926, 0.4497, 0.3442

Complementary

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



25.3926, 0.2812, 0.4320



12.6313, 0.3710, 0.2470

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.



25.3926, 0.4045, 0.2925



25.3926, 0.2812, 0.4320



25.3926, 0.2631, 0.2245

Square

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



25.3926, 0.2812, 0.4320



25.3926, 0.1893, 0.2404



25.3926, 0.3330, 0.2503



25.3926, 0.4513, 0.3978

Rectangle

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



25.3926, 0.2812, 0.4320



25.3926, 0.1999, 0.3115



25.3926, 0.3330, 0.2503



25.3926, 0.4391, 0.3264

Sweetspot

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



25.3936, 0.2812, 0.4320



53.8148, 0.3019, 0.3545



27.6779, 0.3539, 0.4741



12.0666, 0.3007, 0.3578



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.3936, 0.2812, 0.4320



44.7078, 0.2780, 0.4592



26.4345, 0.2513, 0.3472



6.9638, 0.3066, 0.3428



19.1059, 0.2808, 0.5309



0.2925, 0.2579, 0.4486

Inverse Universe

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



12.6313, 0.3710, 0.2470



19.1270, 0.3898, 0.2334



11.8266, 0.4495, 0.3135



6.2825, 0.3194, 0.3156



6.2559, 0.4475, 0.2239



0.1006, 0.3817, 0.1876

Previews

White Background



This preview shows how the Yxy color 25.3926, 0.2812, 0.4320 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 25.3926, 0.2812, 0.4320 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 25.3926, 0.2812, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 25.3926, 0.2812, 0.4320.



This preview shows how white text looks on a background with the Yxy color 25.3926, 0.2812, 0.4320.

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

25.3926, 0.2812, 0.4320

Protanopia

25.0317, 0.3695, 0.3975

Deuteranopia

25.0588, 0.3733, 0.3674



Tritanopia

25.3019, 0.2482, 0.3073

Trichromacy



Original Color

25.3926, 0.2812, 0.4320



Protanomaly

24.5388, 0.3311, 0.4100



Deuteranomaly

24.3088, 0.3329, 0.3903



Tritanomaly

25.3822, 0.2600, 0.3497

Monochromacy



Original Color

25.3926, 0.2812, 0.4320



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.2542, 0.2980, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3926, 0.2812, 0.4320 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(70, 154, 103)` looks like.

```
.text, #text, p{  
  color:rgb(70, 154, 103)  
}
```

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(70, 154, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 154, 103) }
```

Border

The CSS property to change the border of an element to Yxy 25.3926, 0.2812, 0.4320 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(70, 154, 103) }
```

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

```
.border{ border-color:rgb(70, 154, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 154, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 154, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 154, 103);  
box-shadow:4px 4px 4px 4px rgb(70, 154,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3926, 0.2812, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 154, 103) }
```

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

```
.background{ background-color: rgb(70, 154,  
103) }
```

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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