

Converting Colors

$Y_{xy}(24.7521, 0.3079, 0.5213)$

Have a look what the booklet for
Yxy(24.7521, 0.3079, 0.5213)
contains.

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Color

Yxy(24.8823, 0.3077, 0.5212)

Conversions

Conversions Part 1

Format	Color
Hex	419B3B
RGB	65, 155, 59
RGB Percent	25%, 61%, 23%
CMY	0.7452, 0.3921, 0.7686
CMYK	0.58, 0.00, 0.62, 0.39
HSL	116°, 45%, 42%
HSV	116°, 62%, 61%
XYZ	14.6897, 24.8823, 8.1684
YIQ	117.1460, -22.8240, -48.9360

Conversions

Conversions Part 2

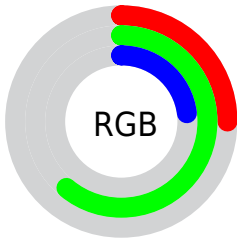
Format	Color
R_{YB}	59, 155, 149
Decimal	4299579
CIE _{Lab}	56.96, -46.16, 41.44
CIE _{LCh}	57, 62.035, 138.082
Yxy	24.8823, 0.3077, 0.5212
Android (android.graphics.Color)	4282489659 (0xFF419B3B)
YUV	117.1460, -28.6660, -45.7320
Hunter-Lab	49.8822, -34.7276, 25.2086

Details

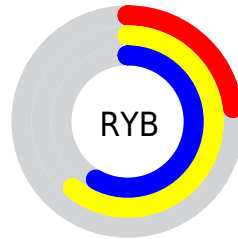
The Yxy color **24.8823, 0.3077, 0.5212** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.8910, 0.3105, 0.1857**, and the grayscale version is **17.9316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3566, 0.3134, 0.4750**, and **9.7071, 0.2990, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **24.3119, 0.3060, 0.5509**, and if you desaturate by 10%, it is **25.6302, 0.3092, 0.4879**.

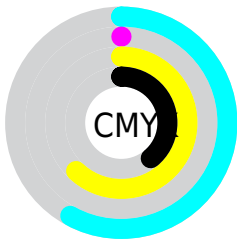
Distribution



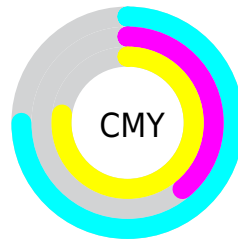
- Red (25%)
- Green (61%)
- Blue (23%)



- Red (23%)
- Yellow (61%)
- Blue (58%)



- Cyan (58%)
- Magenta (0%)
- Yellow (62%)
- Black (39%)





- Cyan (75%)
- Magenta (39%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8823, 0.3077, 0.5212 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 24.8823, 0.3077, 0.5212 by changing the saturation by 10% instead.


 24.8823, 0.3077,
0.5212


 24.8823, 0.3077,
0.5212


277.2513, 0.3164,
0.4082

 15.9894, 0.3017,
0.5554


 51.4662, 0.3132,
0.4757


 9.5166, 0.2907,
0.6024


 69.9260, 0.3145,
0.4600


 5.0797, 0.2733,
0.6796

 92.3435, 0.3153,
0.4472

 2.2941, 0.2228,
0.7772

 119.1032, 0.3158,
0.4367

 0.7706, 0.0000,
1.0000

 150.5894, 0.3161,
0.4278

 0.0000, 0.0000,
0.0000

 187.1866, 0.3163,

0.4203

229.2791, 0.3164,
0.4138

■ 24.8823, 0.3077,
0.5212

■ 24.8823, 0.3077,
0.5212

■ 24.3119, 0.3060,
0.5509

■ 25.6302, 0.3092,
0.4879

■ 23.9016, 0.3042,
0.5745

■ 26.5654, 0.3104,
0.4533

■ 23.6357, 0.3025,
0.5904

■ 27.7004, 0.3113,
0.4195

■ 23.5065, 0.3016,
0.5987

■ 29.0460, 0.3120,
0.3879

■ 30.6119, 0.3124,
0.3592

■ 32.4076, 0.3127,
0.3336

■ 34.4418, 0.3128,
0.3111

■ 36.7226, 0.3128,
0.2916

■ 39.2581, 0.3127,
0.2747

Harmonies

Analogous

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



24.8823, 0.4034, 0.5129



24.8823, 0.3077, 0.5212



24.8823, 0.2183, 0.4370

Triad

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



24.8823, 0.3077, 0.5212



24.8823, 0.1557, 0.1856



24.8823, 0.4893, 0.3074

Complementary

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



24.8823, 0.3077, 0.5212



11.8910, 0.3105, 0.1857

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.



24.8823, 0.3965, 0.2457



24.8823, 0.3077, 0.5212



24.8823, 0.2034, 0.1790

Square

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



24.8823, 0.3077, 0.5212



24.8823, 0.1413, 0.2271



24.8823, 0.2872, 0.2003



24.8823, 0.5192, 0.3768

Rectangle

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



24.8823, 0.3077, 0.5212



24.8823, 0.1752, 0.3538



24.8823, 0.2872, 0.2003



24.8823, 0.4636, 0.2856

Sweetspot

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



24.8833, 0.3077, 0.5212



52.6923, 0.3121, 0.3803



28.6556, 0.4031, 0.4622



11.7658, 0.3120, 0.3883



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.



24.8833, 0.3077, 0.5212



43.2468, 0.3054, 0.5600



25.3069, 0.2761, 0.4407



6.9430, 0.3125, 0.3519



18.8855, 0.3018, 0.5985



0.2866, 0.3109, 0.5914

Inverse Universe

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



11.8910, 0.3105, 0.1857



17.9610, 0.3090, 0.1650



11.3005, 0.3901, 0.2438



6.3041, 0.3128, 0.3070



6.7702, 0.3058, 0.1458



0.1063, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 24.8823, 0.3077, 0.5212 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 24.8823, 0.3077, 0.5212 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 24.8823, 0.3077, 0.5212

Background



This preview shows how black text looks on a background with the Yxy color 24.8823, 0.3077, 0.5212.



This preview shows how white text looks on a background with the Yxy color 24.8823, 0.3077, 0.5212.

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

24.8823, 0.3077, 0.5212

Protanopia

24.4447, 0.4146, 0.4563

Deuteranopia

24.3213, 0.4289, 0.4206



Tritanopia

24.7114, 0.2503, 0.3071

Trichromacy



Original Color

24.8823, 0.3077, 0.5212



Protanomaly

23.9138, 0.3693, 0.4837



Deuteranomaly

23.2929, 0.3780, 0.4581



Tritanomaly

24.5376, 0.2728, 0.3842

Monochromacy



Original Color

24.8823, 0.3077, 0.5212



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

19.6738, 0.3115, 0.4015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8823, 0.3077, 0.5212 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(65, 155, 59)` looks like.

```
.text, #text, p{  
    color:rgb(65, 155, 59)  
}
```

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(65, 155, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 155, 59) }
```

Border

The CSS property to change the border of an element to Yxy 24.8823, 0.3077, 0.5212 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(65, 155, 59) }
```

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

```
.border{ border-color:rgb(65, 155, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 155, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 155, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 155, 59);  
box-shadow:4px 4px 4px 4px rgb(65, 155,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8823, 0.3077, 0.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 155, 59) }
```

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

```
.background{ background-color: rgb(65, 155,  
59) }
```

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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