

Converting Colors

$Y_{xy}(24.2083, 0.3423, 0.5420)$

Have a look what the booklet for
Yxy(24.2083, 0.3423, 0.5420)
contains.

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Color

Yxy(24.3069, 0.3422, 0.5423)

Conversions

Conversions Part 1

Format	Color
Hex	58971F
RGB	88, 151, 31
RGB Percent	35%, 59%, 12%
CMY	0.6549, 0.4078, 0.8786
CMYK	0.42, 0.00, 0.79, 0.41
HSL	91°, 66%, 36%
HSV	91°, 79%, 59%
XYZ	15.3380, 24.3069, 5.1769
YIQ	118.4830, 0.9720, -50.6760

Conversions

Conversions Part 2

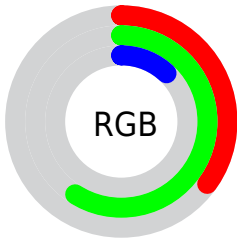
Format	Color
RYB	31, 151, 94
Decimal	5805855
CIELab	56.39, -39.83, 52.36
CIELCh	56, 65.787, 127.256
Yxy	24.3069, 0.3422, 0.5423
Android (android.graphics.Color)	4283995935 (0xFF58971F)
YUV	118.4830, -43.1291, -26.7336
Hunter-Lab	49.3020, -30.7465, 28.2857

Details

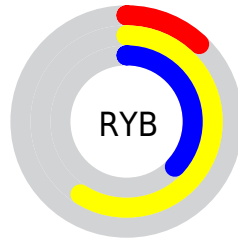
The Yxy color **24.3069, 0.3422, 0.5423** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.5908, 0.2320, 0.1213**, and the grayscale version is **18.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6541, 0.3423, 0.4944**, and **9.1997, 0.3181, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **23.8802, 0.3391, 0.5594**, and if you desaturate by 10%, it is **24.8150, 0.3433, 0.5201**.

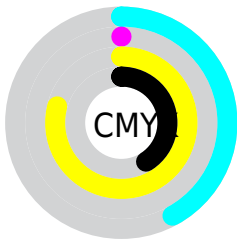
Distribution



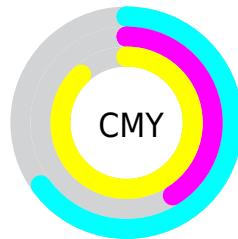
- Red (35%)
- Green (59%)
- Blue (12%)



- Red (12%)
- Yellow (59%)
- Blue (37%)



- Cyan (42%)
- Magenta (0%)
- Yellow (79%)
- Black (41%)




- Cyan (65%)
- Magenta (41%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3069, 0.3422, 0.5423 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 24.3069, 0.3422, 0.5423 by changing the saturation by 10% instead.


 24.3069, 0.3422,
0.5423


 24.3069, 0.3422,
0.5423


 274.3684, 0.3347,
0.4198


 15.5614, 0.3387,
0.5764


 50.5306, 0.3426,
0.4945


 9.2144, 0.3299,
0.6212


 68.7775, 0.3417,
0.4774


 4.8813, 0.3125,
0.6875

 90.9605, 0.3405,
0.4634

 2.1778, 0.2569,
0.7431

 117.4638, 0.3393,
0.4517

 0.7078, 0.0000,
1.0000

 148.6718, 0.3380,
0.4418

 0.0000, 0.0000,
0.0000

 184.9690, 0.3368,

0.4334

226.7397, 0.3357,
0.4261

■ 24.3069, 0.3422,
0.5423

■ 24.3069, 0.3422,
0.5423

■ 23.8802, 0.3391,
0.5594

■ 24.8150, 0.3433,
0.5201

■ 23.5196, 0.3346,
0.5721

■ 25.4074, 0.3423,
0.4940

■ 23.5025, 0.3344,
0.5727

■ 26.0902, 0.3396,
0.4655

■ 26.8680, 0.3355,
0.4360

■ 27.7453, 0.3304,
0.4067

■ 28.7260, 0.3247,
0.3786

■ 29.8137, 0.3186,
0.3522

■ 31.0121, 0.3124,
0.3278

■ 32.3246, 0.3063,
0.3057

Harmonies

Analogous

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



24.3069, 0.4394, 0.5013



24.3069, 0.3422, 0.5423



24.3069, 0.2428, 0.4886

Triad

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



24.3069, 0.3422, 0.5423



24.3069, 0.1387, 0.1883



24.3069, 0.4712, 0.2804

Complementary

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



24.3069, 0.3422, 0.5423



5.5908, 0.2320, 0.1213

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.



24.3069, 0.3584, 0.2213



24.3069, 0.3422, 0.5423



24.3069, 0.1751, 0.1703

Square

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



24.3069, 0.3422, 0.5423



24.3069, 0.1354, 0.2471



24.3069, 0.2488, 0.1826



24.3069, 0.5297, 0.3500

Rectangle

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



24.3069, 0.3422, 0.5423



24.3069, 0.1888, 0.4039



24.3069, 0.2488, 0.1826



24.3069, 0.4369, 0.2591

Sweetspot

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



24.3080, 0.3422, 0.5423



50.5424, 0.3276, 0.3924



14.5046, 0.4887, 0.4189



11.3584, 0.3295, 0.4018



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.3080, 0.3422, 0.5423



42.2809, 0.3356, 0.5685



22.5349, 0.3006, 0.5691



7.0623, 0.3184, 0.3515



20.0098, 0.3348, 0.5724



0.3206, 0.3686, 0.5456

Inverse Universe

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



5.5908, 0.2320, 0.1213



7.3854, 0.2121, 0.0964



9.7279, 0.3235, 0.1685



6.1778, 0.3066, 0.3066



3.3414, 0.2094, 0.0927



0.0716, 0.2561, 0.1185

Previews

White Background



This preview shows how the Yxy color 24.3069, 0.3422, 0.5423 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 24.3069, 0.3422, 0.5423 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 24.3069, 0.3422, 0.5423

Background



This preview shows how black text looks on a background with the Yxy color 24.3069, 0.3422, 0.5423.



This preview shows how white text looks on a background with the Yxy color 24.3069, 0.3422, 0.5423.

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

24.3069, 0.3422, 0.5423

Protanopia

23.9864, 0.4313, 0.4784

Deuteranopia

24.0405, 0.4530, 0.4445



Tritanopia

24.3200, 0.2673, 0.3093

Trichromacy



Original Color

24.3069, 0.3422, 0.5423

Protanomaly

23.7228, 0.3961, 0.5042

Deuteranomaly

23.3237, 0.4111, 0.4801

Tritanomaly

23.9862, 0.3005, 0.4009

Monochromacy



Original Color

24.3069, 0.3422, 0.5423

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.7629, 0.3326, 0.4180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3069, 0.3422, 0.5423 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(88, 151, 31)` looks like.

```
.text, #text, p{  
    color:rgb(88, 151, 31)  
}
```

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(88, 151, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 151, 31) }
```

Border

The CSS property to change the border of an element to Yxy 24.3069, 0.3422, 0.5423 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(88, 151, 31) }
```

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

```
.border{ border-color:rgb(88, 151, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 151, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 151, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 151, 31);  
box-shadow:4px 4px 4px 4px rgb(88, 151,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3069, 0.3422, 0.5423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 151, 31) }
```

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

```
.background{ background-color: rgb(88, 151,  
31) }
```

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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