

Converting Colors

Yxy(31.2638, 0.3220, 0.5022)

Have a look what the booklet for
Yxy(31.2638, 0.3220, 0.5022)
contains.

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Color

Yxy(31.2638, 0.3220, 0.5022)

Conversions

Conversions Part 1

Format	Color
Hex	5FA947
RGB	95, 169, 71
RGB Percent	37%, 66%, 28%
CMY	0.6274, 0.3372, 0.7214
CMYK	0.44, 0.00, 0.58, 0.34
HSL	105°, 41%, 47%
HSV	105°, 58%, 66%
XYZ	20.0457, 31.2638, 10.9442
YIQ	135.7020, -12.6460, -46.1660

Conversions

Conversions Part 2

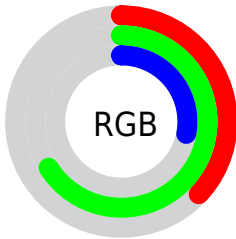
Format	Color
RYB	71, 169, 145
Decimal	6269255
CIELab	62.73, -41.73, 42.75
CIELCh	63, 59.742, 134.308
Yxy	31.2638, 0.3220, 0.5022
Android (android.graphics.Color)	4284459335 (0xFF5FA947)
YUV	135.7020, -31.8981, -35.6957
Hunter-Lab	55.9140, -33.8557, 27.5348

Details

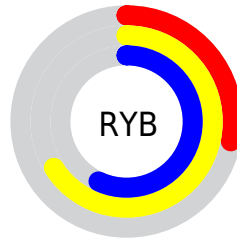
The Yxy color **31.2638, 0.3220, 0.5022** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.3977, 0.2870, 0.1823**, and the grayscale version is **24.6304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7396, 0.3239, 0.4648**, and **12.9499, 0.3134, 0.5667** is the 20% darker color. If you saturate the color by 10%, you get **30.4488, 0.3208, 0.5321**, and if you desaturate by 10%, it is **32.2538, 0.3220, 0.4699**.

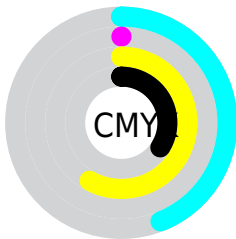
Distribution



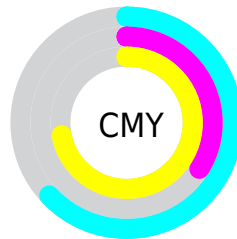
- Red (37%)
- Green (66%)
- Blue (28%)



- Red (28%)
- Yellow (66%)
- Blue (57%)



- Cyan (44%)
- Magenta (0%)
- Yellow (58%)
- Black (34%)





- Cyan (63%)
- Magenta (34%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2638, 0.3220, 0.5022 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 31.2638, 0.3220, 0.5022 by changing the saturation by 10% instead.

 31.2638, 0.3220,
0.5022


 31.2638, 0.3220,
0.5022


307.7518, 0.3220,
0.4045


 20.7998, 0.3194,
0.5299


 61.6552, 0.3237,
0.4641


 12.9777, 0.3139,
0.5670


 82.3513, 0.3237,
0.4506

 7.4132, 0.3022,
0.6180


 107.2270, 0.3236,
0.4394

 3.7218, 0.2862,
0.7138

 136.6666, 0.3234,
0.4301

 1.5192, 0.1743,
0.8257

 171.0544, 0.3231,
0.4223

 0.3022, 0.0000,
1.0000

210.7750, 0.3227,

 0.0000, 0.0000,

0.4155

0.0000

256.2127, 0.3224,
0.4097

■ 31.2638, 0.3220,
0.5022

■ 31.2638, 0.3220,
0.5022

■ 30.4488, 0.3208,
0.5321

■ 32.2538, 0.3220,
0.4699

■ 29.7943, 0.3184,
0.5576

■ 33.4245, 0.3211,
0.4372

■ 29.2897, 0.3149,
0.5770

■ 34.7861, 0.3195,
0.4055

■ 28.9184, 0.3108,
0.5897

■ 36.3469, 0.3173,
0.3758

■ 28.8554, 0.3101,
0.5920

■ 38.1146, 0.3148,
0.3487

■ 40.0967, 0.3122,
0.3243

■ 42.3000, 0.3095,
0.3026

■ 44.7313, 0.3069,
0.2835

■ 47.3969, 0.3043,
0.2668

Harmonies

Analogous

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



31.2638, 0.4083, 0.4909



31.2638, 0.3220, 0.5022



31.2638, 0.2379, 0.4369

Triad

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



31.2638, 0.3220, 0.5022



31.2638, 0.1654, 0.2015



31.2638, 0.4626, 0.3035

Complementary

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



31.2638, 0.3220, 0.5022



13.3977, 0.2870, 0.1823

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.



31.2638, 0.3757, 0.2472



31.2638, 0.3220, 0.5022



31.2638, 0.2061, 0.1908

Square

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



31.2638, 0.3220, 0.5022



31.2638, 0.1560, 0.2458



31.2638, 0.2792, 0.2074



31.2638, 0.4991, 0.3678

Rectangle

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



31.2638, 0.3220, 0.5022



31.2638, 0.1949, 0.3659



31.2638, 0.2792, 0.2074



31.2638, 0.4376, 0.2834

Sweetspot

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



31.2651, 0.3220, 0.5022



65.2926, 0.3171, 0.3739



28.9918, 0.4134, 0.4350



14.1081, 0.3176, 0.3793



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.2651, 0.3220, 0.5022



54.1150, 0.3202, 0.5411



30.5533, 0.2892, 0.4680



8.4931, 0.3151, 0.3521



21.5269, 0.3107, 0.5915



0.5468, 0.3348, 0.5724

Inverse Universe

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



13.3977, 0.2870, 0.1823



18.9155, 0.2786, 0.1551



14.9751, 0.3541, 0.2238



7.5728, 0.3100, 0.3065



5.5608, 0.2607, 0.1210



0.1570, 0.2818, 0.1326

Previews

White Background



This preview shows how the Yxy color 31.2638, 0.3220, 0.5022 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.2638, 0.3220, 0.5022 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 ✓ Pass

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

Yxy 31.2638, 0.3220, 0.5022

Background



This preview shows how black text looks on a background with the Yxy color 31.2638, 0.3220, 0.5022.



This preview shows how white text looks on a background with the Yxy color 31.2638, 0.3220, 0.5022.

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

31.2638, 0.3220, 0.5022

Protanopia

30.8514, 0.4106, 0.4493

Deuteranopia

30.8109, 0.4256, 0.4182



Tritanopia

31.2473, 0.2630, 0.3095

Trichromacy



Original Color

31.2638, 0.3220, 0.5022

Protanomaly

30.5338, 0.3739, 0.4707

Deuteranomaly

29.9659, 0.3842, 0.4495

Tritanomaly

31.0078, 0.2852, 0.3777

Monochromacy



Original Color

31.2638, 0.3220, 0.5022

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.4146, 0.3189, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2638, 0.3220, 0.5022 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(95, 169, 71)` looks like.

```
.text, #text, p{  
    color:rgb(95, 169, 71)  
}
```

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(95, 169, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 169, 71) }
```

Border

The CSS property to change the border of an element to Yxy 31.2638, 0.3220, 0.5022 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(95, 169, 71) }
```

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

```
.border{ border-color:rgb(95, 169, 71) }
```

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

Here you see how a box with a 4 pixel rgb(95, 169, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 169, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 169, 71);  
box-shadow:4px 4px 4px 4px rgb(95, 169,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2638, 0.3220, 0.5022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 169, 71) }
```

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

```
.background{ background-color: rgb(95, 169,  
71) }
```

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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