

Converting Colors

Yxy(31.1168, 0.3175, 0.4661)

Have a look what the booklet for
Yxy(31.1168, 0.3175, 0.4661)
contains.

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Color

Yxy(31.2423, 0.3175, 0.4676)

Conversions

Conversions Part 1

Format	Color
Hex	67A759
RGB	103, 167, 89
RGB Percent	40%, 65%, 35%
CMY	0.5961, 0.3451, 0.6511
CMYK	0.38, 0.00, 0.47, 0.35
HSL	109°, 31%, 50%
HSV	109°, 47%, 65%
XYZ	21.2135, 31.2423, 14.3584
YIQ	138.9720, -13.1060, -37.8260

Conversions

Conversions Part 2

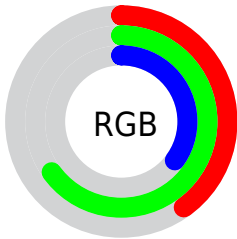
Format	Color
RYB	89, 167, 153
Decimal	6793049
CIELab	62.71, -35.98, 33.91
CIELCh	63, 49.443, 136.698
Yxy	31.2423, 0.3175, 0.4676
Android (android.graphics.Color)	4284983129 (0xFF67A759)
YUV	138.9720, -24.6362, -31.5474
Hunter-Lab	55.8948, -30.0707, 23.8958

Details

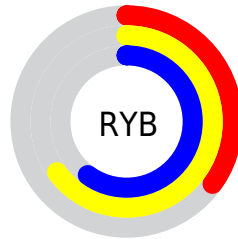
The Yxy color **31.2423, 0.3175, 0.4676** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.7037, 0.3001, 0.2116**, and the grayscale version is **25.9066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8369, 0.3188, 0.4378**, and **12.8728, 0.3121, 0.5195** is the 20% darker color. If you saturate the color by 10%, you get **30.2494, 0.3170, 0.5008**, and if you desaturate by 10%, it is **32.4343, 0.3173, 0.4342**.

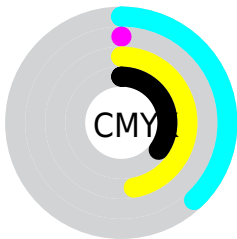
Distribution



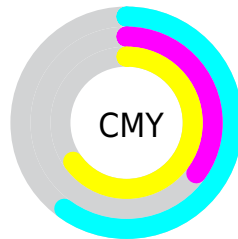
- Red (40%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (60%)



- Cyan (38%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)





- Cyan (60%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2423, 0.3175, 0.4676 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 31.2423, 0.3175, 0.4676 by changing the saturation by 10% instead.


 31.2423, 0.3175,
0.4676


 31.2423, 0.3175,
0.4676


307.6530, 0.3180,
0.3896


 20.7834, 0.3158,
0.4901


 61.6213, 0.3187,
0.4370

 12.9658, 0.3125,
0.5208


 82.3103, 0.3188,
0.4262

 7.4050, 0.3053,
0.5645


 107.1781, 0.3187,
0.4173

 3.7166, 0.2945,
0.6421

 136.6091, 0.3186,
0.4099

 1.5164, 0.2324,
0.7676

170.9877, 0.3185,
0.4037

 0.3002, 0.0000,
1.0000

210.6983, 0.3183,

 0.0000, 0.0000,

0.3983

0.0000

256.1253, 0.3182,
0.3936

■ 31.2423, 0.3175,
0.4676

■ 31.2423, 0.3175,
0.4676

■ 30.2494, 0.3170,
0.5008

■ 32.4343, 0.3173,
0.4342

■ 29.4408, 0.3156,
0.5318

■ 33.8314, 0.3165,
0.4022

■ 28.8058, 0.3133,
0.5584


■ 35.4442, 0.3153,
0.3724

■ 28.3312, 0.3103,
0.5787


■ 37.2813, 0.3138,
0.3455

■ 28.0001, 0.3069,
0.5917


■ 39.3511, 0.3122,
0.3214

 27.9157, 0.3061,
0.5952

 41.6614, 0.3105,
0.3002

 44.2195, 0.3088,
0.2817

 47.0326, 0.3071,
0.2655

 50.1075, 0.3055,
0.2513

Harmonies

Analogous

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



31.2423, 0.3913, 0.4681



31.2423, 0.3175, 0.4676



31.2423, 0.2464, 0.4102

Triad

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



31.2423, 0.3175, 0.4676



31.2423, 0.1880, 0.2191



31.2423, 0.4412, 0.3137

Complementary

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



31.2423, 0.3175, 0.4676



16.7037, 0.3001, 0.2116

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.



31.2423, 0.3722, 0.2631



31.2423, 0.3175, 0.4676



31.2423, 0.2264, 0.2106

Square

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



31.2423, 0.3175, 0.4676



31.2423, 0.1778, 0.2566



31.2423, 0.2915, 0.2267



31.2423, 0.4690, 0.3708

Rectangle

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



31.2423, 0.3175, 0.4676



31.2423, 0.2102, 0.3536



31.2423, 0.2915, 0.2267



31.2423, 0.4216, 0.2957

Sweetspot

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



31.2436, 0.3175, 0.4676



64.2466, 0.3149, 0.3655



31.6221, 0.3892, 0.4232



14.2305, 0.3152, 0.3714



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.



31.2436, 0.3175, 0.4676



54.1230, 0.3169, 0.5017



30.9705, 0.2886, 0.4264



8.4701, 0.3142, 0.3521



21.3754, 0.3065, 0.5948



0.5382, 0.3262, 0.5792

Inverse Universe

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



16.7037, 0.3001, 0.2116



24.8446, 0.2959, 0.1880



17.3194, 0.3513, 0.2492



7.5975, 0.3110, 0.3066



6.2251, 0.2766, 0.1298



0.1687, 0.2922, 0.1383

Previews

White Background



This preview shows how the Yxy color 31.2423, 0.3175, 0.4676 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 31.2423, 0.3175, 0.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

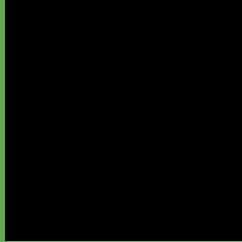
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2423, 0.3175, 0.4676

Background



This preview shows how black text looks on a background with the Yxy color 31.2423, 0.3175, 0.4676.



This preview shows how white text looks on a background with the Yxy color 31.2423, 0.3175, 0.4676.

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

31.2423, 0.3175, 0.4676

Protanopia

30.8647, 0.3945, 0.4295

Deuteranopia

30.7178, 0.4061, 0.3981



Tritanopia

31.2076, 0.2674, 0.3096

Trichromacy



Original Color

31.2423, 0.3175, 0.4676

Protanomaly

30.6095, 0.3636, 0.4448

Deuteranomaly

30.0191, 0.3704, 0.4221

Tritanomaly

30.9235, 0.2860, 0.3631

Monochromacy



Original Color

31.2423, 0.3175, 0.4676

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.3110, 0.3155, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2423, 0.3175, 0.4676 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(103, 167, 89)` looks like.

```
.text, #text, p{  
    color:rgb(103, 167, 89)  
}
```

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(103, 167, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 167, 89) }
```

Border

The CSS property to change the border of an element to Yxy 31.2423, 0.3175, 0.4676 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(103, 167, 89) }
```

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

```
.border{ border-color:rgb(103, 167, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 167, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 167, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 167, 89);  
box-shadow:4px 4px 4px 4px rgb(103, 167,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2423, 0.3175, 0.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 167, 89) }
```

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

```
.background{ background-color: rgb(103,  
167, 89) }
```

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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