

Converting Colors

$Yxy(31.4022, 0.2891, 0.4152)$

Have a look what the booklet for
Yxy(31.4022, 0.2891, 0.4152)
contains.

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Color

Yxy(31.4022, 0.2891, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	5FA777
RGB	95, 167, 119
RGB Percent	37%, 65%, 47%
CMY	0.6276, 0.3451, 0.5333
CMYK	0.43, 0.00, 0.29, 0.35
HSL	140°, 29%, 51%
HSV	140°, 43%, 65%
XYZ	21.8651, 31.4022, 22.3642
YIQ	140.0000, -27.5040, -30.1920

Conversions

Conversions Part 2

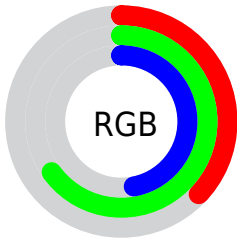
Format	Color
RYB	95, 149, 167
Decimal	6268791
CIELab	62.85, -33.49, 17.94
CIELCh	63, 37.988, 151.823
Yxy	31.4022, 0.2891, 0.4152
Android (android.graphics.Color)	4284458871 (0xFF5FA777)
YUV	140.0000, -10.3530, -39.4650
Hunter-Lab	56.0377, -28.4179, 15.5641

Details

The Yxy color **31.4022, 0.2891, 0.4152** is a dark color, and the websafe version is hex **669966**, and the color name is **forest green (crayola)**. A complement of this color would be **18.3757, 0.3491, 0.2568**, and the grayscale version is **26.2718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1052, 0.2951, 0.3973**, and **12.9691, 0.2793, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **30.3515, 0.2852, 0.4398**, and if you desaturate by 10%, it is **32.6785, 0.2939, 0.3920**.

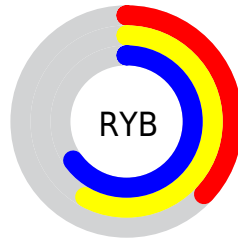
Distribution



Red (37%)

Green (65%)

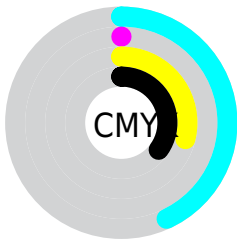
Blue (47%)



Red (37%)

Yellow (58%)

Blue (65%)

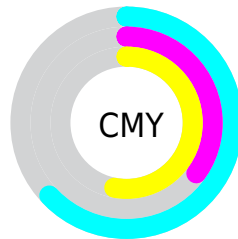


Cyan (43%)

Magenta (0%)

Yellow (29%)

Black (35%)



Cyan (63%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4022, 0.2891, 0.4152 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 31.4022, 0.2891, 0.4152 by changing the saturation by 10% instead.


 31.4022, 0.2891,
0.4152


 31.4022, 0.2891,
0.4152


308.3870, 0.3028,
0.3670


 20.9053, 0.2849,
0.4292


 61.8727, 0.2946,
0.3963

 13.0548, 0.2788,
0.4486


 82.6152, 0.2965,
0.3896

 7.4663, 0.2697,
0.4771


 107.5416, 0.2981,
0.3841

 3.7554, 0.2543,
0.5225

 137.0364, 0.2994,
0.3796

 1.5377, 0.2258,
0.6498

171.4839, 0.3004,
0.3757

 0.3150, 0.0000,
1.0000

211.2686, 0.3014,

 0.0000, 0.0000,

0.3724

0.0000

256.7748, 0.3022,
0.3695

■ 31.4022, 0.2891,
0.4152

■ 31.4022, 0.2891,
0.4152

■ 30.3515, 0.2852,
0.4398

■ 32.6785, 0.2939,
0.3920

■ 29.5090, 0.2826,
0.4652

■ 34.1888, 0.2993,
0.3707

■ 28.8612, 0.2814,
0.4904


■ 35.9458, 0.3050,
0.3513

■ 28.3909, 0.2819,
0.5146

■ 37.9601, 0.3109,
0.3340

■ 28.0780, 0.2841,
0.5364


■ 40.2417, 0.3167,
0.3187

 27.9236, 0.2861,
0.5498

 42.8000, 0.3224,
0.3053

 45.6441, 0.3279,
0.2935

 48.7825, 0.3331,
0.2832

 52.2235, 0.3381,
0.2743

Harmonies

Analogous

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



31.4022, 0.3482, 0.4396



31.4022, 0.2891, 0.4152



31.4022, 0.2393, 0.3592

Triad

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



31.4022, 0.2891, 0.4152



31.4022, 0.2265, 0.2358



31.4022, 0.4269, 0.3421

Complementary

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



31.4022, 0.2891, 0.4152



18.3757, 0.3491, 0.2568

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.



31.4022, 0.3880, 0.2971



31.4022, 0.2891, 0.4152



31.4022, 0.2692, 0.2386

Square

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



31.4022, 0.2891, 0.4152



31.4022, 0.2063, 0.2554



31.4022, 0.3282, 0.2605



31.4022, 0.4307, 0.3883

Rectangle

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



31.4022, 0.2891, 0.4152



31.4022, 0.2173, 0.3176



31.4022, 0.3282, 0.2605



31.4022, 0.4175, 0.3266

Sweetspot

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



31.4035, 0.2891, 0.4152



64.3373, 0.3049, 0.3515



34.3050, 0.3510, 0.4425



14.2384, 0.3037, 0.3555



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.



31.4035, 0.2891, 0.4152



54.3852, 0.2853, 0.4393



32.4379, 0.2633, 0.3493



8.4475, 0.3073, 0.3444



21.3733, 0.2856, 0.5481



0.5295, 0.2663, 0.4786

Inverse Universe

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



18.3757, 0.3491, 0.2568



27.8820, 0.3608, 0.2415



17.4547, 0.4035, 0.3105



7.6234, 0.3186, 0.3141



7.1785, 0.4253, 0.2117



0.1836, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 31.4022, 0.2891, 0.4152 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 31.4022, 0.2891, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

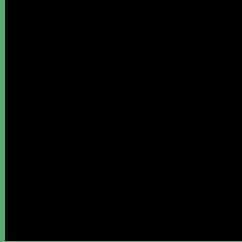
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4022, 0.2891, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 31.4022, 0.2891, 0.4152.



This preview shows how white text looks on a background with the Yxy color 31.4022, 0.2891, 0.4152.

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

31.4022, 0.2891, 0.4152

Protanopia

30.9845, 0.3627, 0.3889

Deuteranopia

30.8200, 0.3672, 0.3599



Tritanopia

31.2845, 0.2575, 0.3078

Trichromacy



Original Color

31.4022, 0.2891, 0.4152

Protanomaly

30.7550, 0.3321, 0.3984

Deuteranomaly

30.2986, 0.3349, 0.3792

Tritanomaly

31.3779, 0.2694, 0.3459

Monochromacy



Original Color

31.4022, 0.2891, 0.4152

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.7637, 0.3033, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4022, 0.2891, 0.4152 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, 167, 119)` looks like.

```
.text, #text, p{  
    color:rgb(95, 167, 119)  
}
```

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, 167, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 167, 119) }
```

Border

The CSS property to change the border of an element to Yxy 31.4022, 0.2891, 0.4152 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, 167, 119) }
```

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

```
.border{ border-color:rgb(95, 167, 119) }
```

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

Here you see how a box with a 4 pixel rgb(95, 167, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 167, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 167, 119);  
box-shadow:4px 4px 4px 4px rgb(95, 167,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4022, 0.2891, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 167, 119) }
```

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

```
.background{ background-color: rgb(95, 167,  
119) }
```

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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