

Converting Colors

Yxy(31.4165, 0.3123, 0.4305)

Have a look what the booklet for
Yxy(31.4165, 0.3123, 0.4305)
contains.

Yxy(31.4165, 0.3123, 0.4305)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4165, 0.3123, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	70A56B
RGB	112, 165, 107
RGB Percent	44%, 65%, 42%
CMY	0.5608, 0.3529, 0.5804
CMYK	0.32, 0.00, 0.35, 0.35
HSL	115°, 24%, 53%
HSV	115°, 35%, 65%
XYZ	22.7906, 31.4165, 18.7696
YIQ	142.5410, -12.9700, -29.2740

Conversions

Conversions Part 2

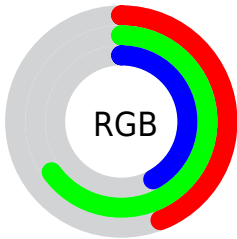
Format	Color
RYB	107, 165, 160
Decimal	7382379
CIELab	62.86, -29.27, 24.65
CIElCh	63, 38.272, 139.898
Yxy	31.4165, 0.3123, 0.4305
Android (android.graphics.Color)	4285572459 (0xFF70A56B)
YUV	142.5410, -17.5217, -26.7845
Hunter-Lab	56.0504, -25.5084, 19.3808

Details

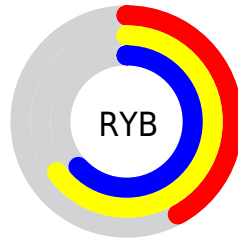
The Yxy color **31.4165, 0.3123, 0.4305** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.7030, 0.3107, 0.2423**, and the grayscale version is **27.3510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6889, 0.3131, 0.4078**, and **13.1181, 0.3083, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **30.1956, 0.3115, 0.4647**, and if you desaturate by 10%, it is **32.8720, 0.3127, 0.3981**.

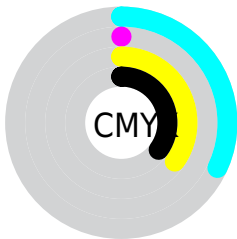
Distribution



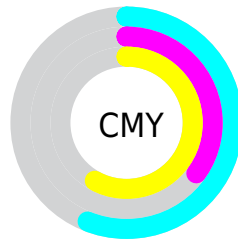
- Red (44%)
- Green (65%)
- Blue (42%)



- Red (42%)
- Yellow (65%)
- Blue (63%)



- Cyan (32%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)





- Cyan (56%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4165, 0.3123, 0.4305 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 31.4165, 0.3123, 0.4305 by changing the saturation by 10% instead.


 31.4165, 0.3123,
0.4305


 31.4165, 0.3123,
0.4305


308.4526, 0.3141,
0.3738

 20.9162, 0.3111,
0.4469


 61.8952, 0.3135,
0.4083

 13.0628, 0.3088,
0.4694


 82.6424, 0.3137,
0.4005

 7.4718, 0.3045,
0.5020


 107.5741, 0.3139,
0.3940

 3.7589, 0.2953,
0.5528

 137.0745, 0.3140,
0.3886

 1.5396, 0.2931,
0.7069

171.5282, 0.3141,
0.3841

 0.3164, 0.0000,
1.0000

211.3195, 0.3141,

 0.0000, 0.0000,

0.3802

0.0000

256.8328, 0.3141,
0.3768

■ 31.4165, 0.3123,
0.4305

■ 31.4165, 0.3123,
0.4305

■ 30.1956, 0.3115,
0.4647

■ 32.8720, 0.3127,
0.3981

■ 29.1931, 0.3104,
0.4990

■ 34.5691, 0.3129,
0.3683

■ 28.3974, 0.3088,
0.5313

■ 36.5196, 0.3128,
0.3415

■ 27.7938, 0.3069,
0.5591


■ 38.7334, 0.3126,
0.3180


■ 27.3661, 0.3048,
0.5803

■ 41.2196, 0.3123,
0.2974


 27.0947, 0.3028,
0.5936

 43.9873, 0.3119,
0.2795

 27.0070, 0.3022,
0.5983

 47.0448, 0.3114,
0.2641

 50.4001, 0.3110,
0.2507

 54.0293, 0.3109,
0.2396

Harmonies

Analogous

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



31.4165, 0.3710, 0.4389



31.4165, 0.3123, 0.4305



31.4165, 0.2566, 0.3841

Triad

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



31.4165, 0.3123, 0.4305



31.4165, 0.2150, 0.2402



31.4165, 0.4160, 0.3236

Complementary

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



31.4165, 0.3123, 0.4305



20.7030, 0.3107, 0.2423

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.



31.4165, 0.3659, 0.2808



31.4165, 0.3123, 0.4305



31.4165, 0.2494, 0.2344

Square

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



31.4165, 0.3123, 0.4305



31.4165, 0.2042, 0.2693



31.4165, 0.3035, 0.2492



31.4165, 0.4345, 0.3705

Rectangle

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



31.4165, 0.3123, 0.4305



31.4165, 0.2286, 0.3422



31.4165, 0.3035, 0.2492



31.4165, 0.4020, 0.3085

Sweetspot

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



31.4178, 0.3123, 0.4305



63.2347, 0.3129, 0.3573



33.9271, 0.3671, 0.4069



13.7295, 0.3129, 0.3608



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.4178, 0.3123, 0.4305



54.5617, 0.3117, 0.4564



31.6538, 0.2899, 0.3895



7.9229, 0.3129, 0.3521



20.4402, 0.3025, 0.5980



0.4377, 0.3138, 0.5890

Inverse Universe

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



20.7030, 0.3107, 0.2423



32.5231, 0.3098, 0.2241



20.4601, 0.3455, 0.2757



7.1709, 0.3124, 0.3068



7.0251, 0.2997, 0.1425



0.1561, 0.3079, 0.1470

Previews

White Background



This preview shows how the Yxy color 31.4165, 0.3123, 0.4305 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 31.4165, 0.3123, 0.4305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

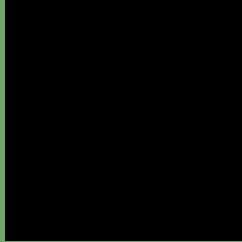
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4165, 0.3123, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 31.4165, 0.3123, 0.4305.



This preview shows how white text looks on a background with the Yxy color 31.4165, 0.3123, 0.4305.

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

31.4165, 0.3123, 0.4305

Protanopia

30.9653, 0.3757, 0.4050

Deuteranopia

30.9822, 0.3856, 0.3782



Tritanopia

31.2272, 0.2712, 0.3082

Trichromacy



Original Color

31.4165, 0.3123, 0.4305

Protanomaly

30.7759, 0.3506, 0.4148

Deuteranomaly

30.5508, 0.3565, 0.3952

Tritanomaly

31.1701, 0.2862, 0.3506

Monochromacy



Original Color

31.4165, 0.3123, 0.4305

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.6505, 0.3131, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4165, 0.3123, 0.4305 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(112, 165, 107)` looks like.

```
.text, #text, p{  
    color:rgb(112, 165, 107)  
}
```

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(112, 165, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 165, 107) }
```

Border

The CSS property to change the border of an element to Yxy 31.4165, 0.3123, 0.4305 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(112, 165, 107) }
```

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

```
.border{ border-color:rgb(112, 165, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 165, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 165, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 165, 107);  
box-shadow:4px 4px 4px 4px rgb(112, 165,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4165, 0.3123, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 165, 107) }
```

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

```
.background{ background-color: rgb(112,  
165, 107) }
```

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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