

Converting Colors

Yxy(31.9444, 0.2962, 0.4131)

Have a look what the booklet for
Yxy(31.9444, 0.2962, 0.4131)
contains.

Yxy(31.9124, 0.2962, 0.4135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.9124, 0.2962, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	68A777
RGB	104, 167, 119
RGB Percent	41%, 65%, 47%
CMY	0.5920, 0.3451, 0.5334
CMYK	0.38, 0.00, 0.29, 0.35
HSL	134°, 26%, 53%
HSV	134°, 38%, 65%
XYZ	22.8596, 31.9124, 22.4043
YIQ	142.6910, -22.1400, -28.2840

Conversions

Conversions Part 2

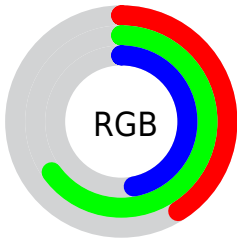
Format	Color
RYB	104, 155, 167
Decimal	6858615
CIELab	63.27, -30.74, 18.60
CIELCh	63, 35.929, 148.824
Yxy	31.9124, 0.2962, 0.4135
Android (android.graphics.Color)	4285048695 (0xFF68A777)
YUV	142.6910, -11.6797, -33.9320
Hunter-Lab	56.4911, -26.6277, 16.0294

Details

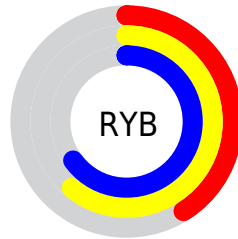
The Yxy color **31.9124, 0.2962, 0.4135** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.3909, 0.3353, 0.2574**, and the grayscale version is **27.3956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8837, 0.3002, 0.3963**, and **13.4337, 0.2882, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **30.7253, 0.2927, 0.4409**, and if you desaturate by 10%, it is **33.3411, 0.3003, 0.3879**.

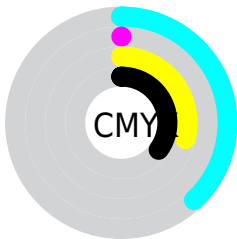
Distribution



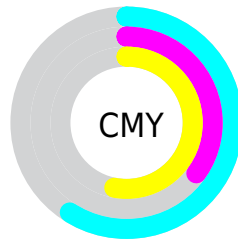
- Red (41%)
- Green (65%)
- Blue (47%)



- Red (41%)
- Yellow (61%)
- Blue (65%)



- Cyan (38%)
- Magenta (0%)
- Yellow (29%)
- Black (35%)




- Cyan (59%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9124, 0.2962, 0.4135 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 31.9124, 0.2962, 0.4135 by changing the saturation by 10% instead.


 31.9124, 0.2962,
0.4135


 31.9124, 0.2962,
0.4135


310.7200, 0.3061,
0.3664


 21.2946, 0.2930,
0.4271


 62.6737, 0.3003,
0.3951


 13.3395, 0.2885,
0.4458

 83.5861, 0.3016,
0.3886

 7.6628, 0.2813,
0.4732


 108.6987, 0.3028,
0.3832

 3.8799, 0.2690,
0.5164

 138.3960, 0.3037,
0.3788

 1.6066, 0.2531,
0.6296

173.0624, 0.3044,
0.3750

 0.3621, 0.0000,
1.0000

213.0822, 0.3051,

 0.0000, 0.0000,

0.3717

0.0000

258.8400, 0.3056,
0.3689

■ 31.9124, 0.2962,
0.4135

■ 31.9124, 0.2962,
0.4135

■ 30.7253, 0.2927,
0.4409

■ 33.3411, 0.3003,
0.3879

■ 29.7624, 0.2900,
0.4694

■ 35.0196, 0.3047,
0.3645

■ 29.0104, 0.2885,
0.4978


■ 36.9608, 0.3092,
0.3435


■ 28.4528, 0.2883,
0.5246


■ 39.1754, 0.3137,
0.3249

■ 28.0704, 0.2895,
0.5485


■ 41.6736, 0.3181,
0.3087

 27.8332, 0.2918,
0.5681

 44.4649, 0.3223,
0.2944

 27.7880, 0.2922,
0.5720

 47.5584, 0.3263,
0.2821

 50.9631, 0.3300,
0.2713

 54.6872, 0.3335,
0.2620

Harmonies

Analogous

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



31.9124, 0.3521, 0.4330



31.9124, 0.2962, 0.4135



31.9124, 0.2475, 0.3633

Triad

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



31.9124, 0.2962, 0.4135



31.9124, 0.2283, 0.2417



31.9124, 0.4178, 0.3375

Complementary

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



31.9124, 0.2962, 0.4135



20.3909, 0.3353, 0.2574

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.



31.9124, 0.3785, 0.2950



31.9124, 0.2962, 0.4135



31.9124, 0.2669, 0.2421

Square

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



31.9124, 0.2962, 0.4135



31.9124, 0.2112, 0.2628



31.9124, 0.3216, 0.2613



31.9124, 0.4251, 0.3815

Rectangle

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



31.9124, 0.2962, 0.4135



31.9124, 0.2250, 0.3242



31.9124, 0.3216, 0.2613



31.9124, 0.4078, 0.3228

Sweetspot

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



31.9137, 0.2962, 0.4135



64.9259, 0.3076, 0.3506



35.3422, 0.3531, 0.4256



14.4273, 0.3071, 0.3533



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.



31.9137, 0.2962, 0.4135



55.3984, 0.2933, 0.4356



32.7908, 0.2729, 0.3572



8.4359, 0.3085, 0.3467



21.2706, 0.2918, 0.5705



0.5252, 0.2743, 0.5076

Inverse Universe

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



20.3909, 0.3353, 0.2574



31.8339, 0.3417, 0.2425



19.4987, 0.3781, 0.3030



7.6357, 0.3172, 0.3119



7.4735, 0.3904, 0.1925



0.1890, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 31.9124, 0.2962, 0.4135 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 31.9124, 0.2962, 0.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

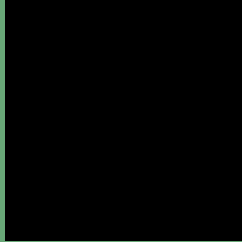
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9124, 0.2962, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 31.9124, 0.2962, 0.4135.



This preview shows how white text looks on a background with the Yxy color 31.9124, 0.2962, 0.4135.

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

31.9124, 0.2962, 0.4135

Protanopia

31.5188, 0.3644, 0.3899

Deuteranopia

31.3349, 0.3701, 0.3626



Tritanopia

31.8036, 0.2633, 0.3081

Trichromacy



Original Color

31.9124, 0.2962, 0.4135

Protanomaly

31.1025, 0.3362, 0.3975

Deuteranomaly

31.0004, 0.3389, 0.3800

Tritanomaly

31.8738, 0.2754, 0.3456

Monochromacy



Original Color

31.9124, 0.2962, 0.4135

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.8448, 0.3063, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9124, 0.2962, 0.4135 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(104, 167, 119)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 167, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 167, 119) }
```

Border

The CSS property to change the border of an element to Yxy 31.9124, 0.2962, 0.4135 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(104, 167, 119) }
```

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

```
.border{ border-color:rgb(104, 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(104, 167, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 167, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 167, 119);  
box-shadow:4px 4px 4px 4px rgb(104, 167,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9124, 0.2962, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 167, 119) }
```

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

```
.background{ background-color: rgb(104,  
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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