

Converting Colors

$Yxy(31.6577, 0.2952, 0.4560)$

Have a look what the booklet for
Yxy(31.6577, 0.2952, 0.4560)
contains.

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Color

Yxy(31.6203, 0.2948, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	55AA65
RGB	85, 170, 101
RGB Percent	33%, 67%, 40%
CMY	0.6668, 0.3333, 0.6038
CMYK	0.50, 0.00, 0.41, 0.33
HSL	131°, 33%, 50%
HSV	131°, 50%, 67%
XYZ	20.4692, 31.6203, 17.3446
YIQ	136.7190, -28.5110, -39.4790

Conversions

Conversions Part 2

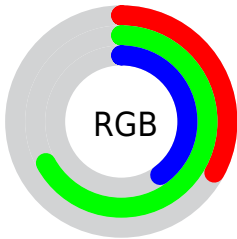
Format	Color
RYB	85, 157, 170
Decimal	5614181
CIELab	63.03, -40.93, 27.84
CIELCh	63, 49.503, 145.782
Yxy	31.6203, 0.2948, 0.4554
Android (android.graphics.Color)	4283804261 (0xFF55AA65)
YUV	136.7190, -17.6095, -45.3576
Hunter-Lab	56.2319, -33.4295, 21.0745

Details

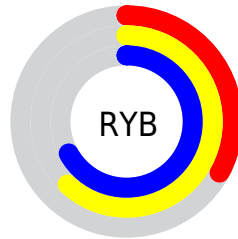
The Yxy color **31.6203, 0.2948, 0.4554** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.3701, 0.3395, 0.2299**, and the grayscale version is **24.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2681, 0.3000, 0.4268**, and **13.1863, 0.2836, 0.5049** is the 20% darker color. If you saturate the color by 10%, you get **30.6714, 0.2926, 0.4855**, and if you desaturate by 10%, it is **32.8083, 0.2977, 0.4259**.

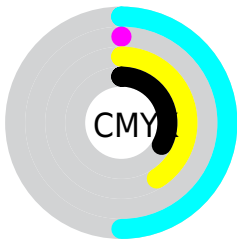
Distribution



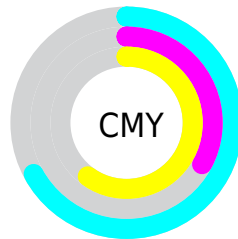
- Red (33%)
- Green (67%)
- Blue (40%)



- Red (33%)
- Yellow (62%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (41%)
- Black (33%)




- Cyan (67%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6203, 0.2948, 0.4554 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 31.6203, 0.2948, 0.4554 by changing the saturation by 10% instead.

 31.6203, 0.2948,
0.4554


 31.6203, 0.2948,
0.4554


309.3859, 0.3068,
0.3839

 21.0716, 0.2904,
0.4764


 62.2154, 0.3001,
0.4272


 13.1764, 0.2838,
0.5053


 83.0306, 0.3018,
0.4173

 7.5501, 0.2727,
0.5474


 108.0367, 0.3031,
0.4092

 3.8085, 0.2527,
0.6137

 137.6183, 0.3041,
0.4025

 1.5670, 0.1917,
0.8083

172.1596, 0.3050,
0.3967

 0.3352, 0.0000,
1.0000

212.0450, 0.3057,

 0.0000, 0.0000,

0.3919

0.0000

257.6590, 0.3063,
0.3876

■ 31.6203, 0.2948,
0.4554

■ 31.6203, 0.2948,
0.4554

■ 30.6714, 0.2926,
0.4855

■ 32.8083, 0.2977,
0.4259

■ 29.9416, 0.2915,
0.5147

■ 34.2461, 0.3012,
0.3980

■ 29.4137, 0.2916,
0.5414

■ 35.9484, 0.3050,
0.3724

■ 29.0666, 0.2929,
0.5638

■ 37.9278, 0.3089,
0.3494

■ 28.8564, 0.2947,
0.5810

■ 40.1960, 0.3127,
0.3290

■ 42.7639, 0.3164,
0.3112

■ 45.6420, 0.3200,
0.2956

■ 48.8402, 0.3233,
0.2821

■ 52.3679, 0.3264,
0.2703

Harmonies

Analogous

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



31.6203, 0.3698, 0.4732



31.6203, 0.2948, 0.4554



31.6203, 0.2287, 0.3849

Triad

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



31.6203, 0.2948, 0.4554



31.6203, 0.1969, 0.2140



31.6203, 0.4545, 0.3306

Complementary

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



31.6203, 0.2948, 0.4554



17.3701, 0.3395, 0.2299

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.



31.6203, 0.3957, 0.2774



31.6203, 0.2948, 0.4554



31.6203, 0.2437, 0.2133

Square

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



31.6203, 0.2948, 0.4554



31.6203, 0.1782, 0.2421



31.6203, 0.3152, 0.2360



31.6203, 0.4671, 0.3882

Rectangle

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



31.6203, 0.2948, 0.4554



31.6203, 0.1984, 0.3279



31.6203, 0.3152, 0.2360



31.6203, 0.4393, 0.3121

Sweetspot

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



31.6216, 0.2948, 0.4554



66.8609, 0.3068, 0.3612



36.3177, 0.3687, 0.4552



14.7492, 0.3060, 0.3660



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.6216, 0.2948, 0.4554



55.4862, 0.2925, 0.4887



32.6669, 0.2658, 0.3761



8.4300, 0.3091, 0.3478



21.2320, 0.2943, 0.5795



0.5230, 0.2789, 0.5239

Inverse Universe

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



17.3701, 0.3395, 0.2299



26.6252, 0.3472, 0.2117



16.2066, 0.4048, 0.2885



7.6420, 0.3165, 0.3109



7.6417, 0.3743, 0.1835



0.1920, 0.3538, 0.1723

Previews

White Background



This preview shows how the Yxy color 31.6203, 0.2948, 0.4554 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 31.6203, 0.2948, 0.4554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

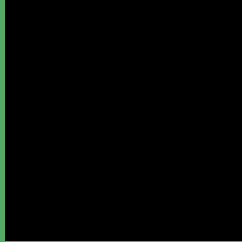
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6203, 0.2948, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 31.6203, 0.2948, 0.4554.



This preview shows how white text looks on a background with the Yxy color 31.6203, 0.2948, 0.4554.

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

31.6203, 0.2948, 0.4554

Protanopia

31.2640, 0.3828, 0.4161

Deuteranopia

31.0156, 0.3909, 0.3836



Tritanopia

31.3705, 0.2536, 0.3076

Trichromacy



Original Color

31.6203, 0.2948, 0.4554

Protanomaly

30.8936, 0.3452, 0.4316

Deuteranomaly

30.1509, 0.3496, 0.4088

Tritanomaly

31.1443, 0.2689, 0.3584

Monochromacy



Original Color

31.6203, 0.2948, 0.4554

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.8017, 0.3046, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6203, 0.2948, 0.4554 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(85, 170, 101)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 101)  
}
```

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(85, 170, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 101) }
```

Border

The CSS property to change the border of an element to Yxy 31.6203, 0.2948, 0.4554 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(85, 170, 101) }
```

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

```
.border{ border-color:rgb(85, 170, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 101);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6203, 0.2948, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 101) }
```

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

```
.background{ background-color: rgb(85, 170,  
101) }
```

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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