

Converting Colors

$Yxy(31.7509, 0.2498, 0.3287)$

Have a look what the booklet for
Yxy(31.7509, 0.2498, 0.3287)
contains.

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Color

Yxy(31.5947, 0.2494, 0.3271)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 55A5A6 |
| RGB | 85, 165, 166 |
| RGB Percent | 33%, 65%, 65% |
| CMY | 0.6664, 0.3530, 0.3490 |
| CMYK | 0.49, 0.01, 0.00, 0.35 |
| HSL | 181°, 32%, 49% |
| HSV | 181°, 49%, 65% |
| XYZ | 24.0896, 31.5947, 40.9060 |
| YIQ | 141.1940, -48.0010, -16.6490 |

Conversions

Conversions Part 2

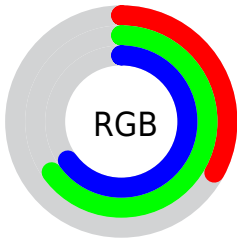
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 85, 125, 166 |
| Decimal | 5612966 |
| CIELab | 63.01, -24.12, -8.09 |
| CIElCh | 63, 25.445, 198.550 |
| Yxy | 31.5947, 0.2494, 0.3271 |
| Android (android.graphics.Color) | 4283803046 (0xFF55A5A6) |
| YUV | 141.1940, 12.2294, -49.2821 |
| Hunter-Lab | 56.2092, -21.8661, -3.8017 |

Details

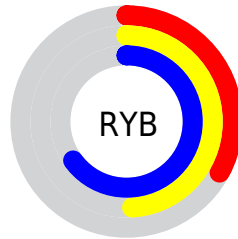
The Yxy color **31.5947, 0.2494, 0.3271** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4344, 0.4439, 0.3309**, and the grayscale version is **26.6892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0696, 0.2619, 0.3276**, and **13.2073, 0.2296, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **30.8324, 0.2407, 0.3267**, and if you desaturate by 10%, it is **32.5418, 0.2598, 0.3275**.

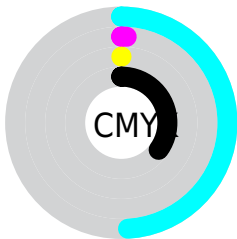
Distribution



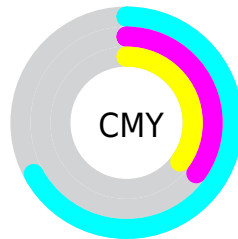
- Red (33%)
- Green (65%)
- Blue (65%)



- Red (33%)
- Yellow (49%)
- Blue (65%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (35%)




- Cyan (67%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5947, 0.2494, 0.3271 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 31.5947, 0.2494, 0.3271 by changing the saturation by 10% instead.


 31.5947, 0.2494,
0.3271


 31.5947, 0.2494,
0.3271


309.2688, 0.2825,
0.3288


 21.0521, 0.2407,
0.3264


 62.1752, 0.2618,
0.3279

 13.1621, 0.2292,
0.3252


 82.9818, 0.2663,
0.3282

 7.5403, 0.2136,
0.3233


 107.9787, 0.2701,
0.3284

 3.8022, 0.1909,
0.3196

 137.5500, 0.2733,
0.3285

 1.5635, 0.1555,
0.3119

172.0803, 0.2761,
0.3286

 0.3328, 0.0000,
0.2639

211.9540, 0.2785,

 0.0000, 0.0000,

0.3287

0.0000

257.5553, 0.2806,
0.3288

■ 31.5947, 0.2494,
0.3271

■ 31.5947, 0.2494,
0.3271

■ 30.8324, 0.2407,
0.3267

■ 32.5418, 0.2598,
0.3275

■ 30.2385, 0.2338,
0.3263

■ 33.6819, 0.2718,
0.3279

■ 29.7994, 0.2288,
0.3258


■ 35.0267, 0.2852,
0.3283

■ 29.4980, 0.2256,
0.3254


■ 36.5864, 0.2995,
0.3287

■ 29.3020, 0.2238,
0.3250


■ 38.3700, 0.3146,
0.3290

 29.2793, 0.2236,
0.3250

 40.3864, 0.3302,
0.3294

 42.6438, 0.3460,
0.3297

 45.1502, 0.3618,
0.3299

 47.9129, 0.3774,
0.3302

Harmonies

Analogous

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



31.5947, 0.2773, 0.3665



31.5947, 0.2494, 0.3271



31.5947, 0.2380, 0.2916

Triad

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



31.5947, 0.2494, 0.3271



31.5947, 0.3055, 0.2729



31.5947, 0.3840, 0.3865

Complementary

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



31.5947, 0.2494, 0.3271



15.4344, 0.4439, 0.3309

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.



31.5947, 0.3936, 0.3583



31.5947, 0.2494, 0.3271



31.5947, 0.3466, 0.2950

Square

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



31.5947, 0.2494, 0.3271



31.5947, 0.2687, 0.2635



31.5947, 0.3798, 0.3254



31.5947, 0.3550, 0.4014

Rectangle

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



31.5947, 0.2494, 0.3271



31.5947, 0.2406, 0.2750



31.5947, 0.3798, 0.3254



31.5947, 0.3897, 0.3781

Sweetspot

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



31.5959, 0.2494, 0.3271



64.5047, 0.2900, 0.3285



29.8657, 0.3056, 0.4796



14.3111, 0.2872, 0.3284



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.



31.5959, 0.2494, 0.3271



55.9155, 0.2404, 0.3267



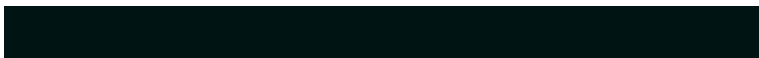
19.4930, 0.2360, 0.2551



8.5157, 0.2987, 0.3287



22.7092, 0.2236, 0.3250



0.5574, 0.2240, 0.3263

Inverse Universe

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



17.3332, 0.3194, 0.2148



27.1172, 0.3207, 0.1951



23.5691, 0.4115, 0.3915



7.6650, 0.3139, 0.3070



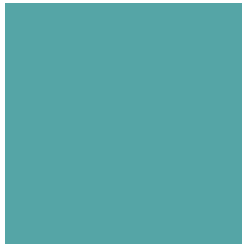
8.3636, 0.3240, 0.1558



0.2040, 0.3229, 0.1553

Previews

White Background



This preview shows how the Yxy color 31.5947, 0.2494, 0.3271 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 31.5947, 0.2494, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

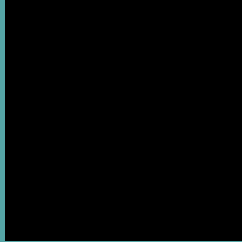
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5947, 0.2494, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 31.5947, 0.2494, 0.3271.

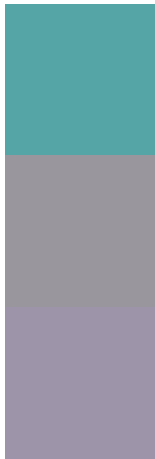


This preview shows how white text looks on a background with the Yxy color 31.5947, 0.2494, 0.3271.

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

31.5947, 0.2494, 0.3271

Protanopia

31.3398, 0.3091, 0.3199

Deuteranopia

31.3512, 0.3022, 0.2966



Tritanopia

31.4926, 0.2442, 0.3058

Trichromacy



Original Color

31.5947, 0.2494, 0.3271

Protanomaly

30.9042, 0.2832, 0.3225

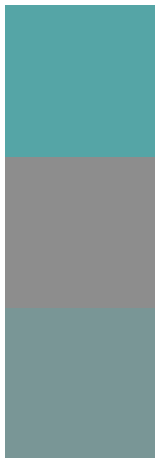
Deuteranomaly

30.8011, 0.2783, 0.3053

Tritanomaly

31.6428, 0.2464, 0.3139

Monochromacy



Original Color

31.5947, 0.2494, 0.3271

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.0796, 0.2846, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5947, 0.2494, 0.3271 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, 165, 166)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 166)  
}
```

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, 165, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 166) }
```

Border

The CSS property to change the border of an element to Yxy 31.5947, 0.2494, 0.3271 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, 165, 166) }
```

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

```
.border{ border-color:rgb(85, 165, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 165, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 166);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5947, 0.2494, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 166) }
```

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

```
.background{ background-color: rgb(85, 165,  
166) }
```

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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