

Converting Colors

$Yxy(31.2251, 0.2593, 0.3913)$

Have a look what the booklet for
Yxy(31.2251, 0.2593, 0.3913)
contains.

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Color

Yxy(31.2152, 0.2593, 0.3914)

Conversions

Conversions Part 1

Format	Color
Hex	40A987
RGB	64, 169, 135
RGB Percent	25%, 66%, 53%
CMY	0.7487, 0.3373, 0.4706
CMYK	0.62, 0.00, 0.20, 0.34
HSL	161°, 45%, 46%
HSV	161°, 62%, 66%
XYZ	20.6799, 31.2152, 27.8576
YIQ	133.7290, -51.6660, -32.8340

Conversions

Conversions Part 2

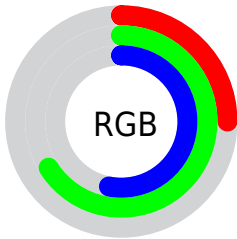
Format	Color
RYB	64, 127, 169
Decimal	4237703
CIELab	62.69, -38.45, 8.70
CIELCh	63, 39.421, 167.245
Yxy	31.2152, 0.2593, 0.3914
Android (android.graphics.Color)	4282427783 (0xFF40A987)
YUV	133.7290, 0.6266, -61.1523
Hunter-Lab	55.8706, -31.7037, 9.5468

Details

The Yxy color **31.2152, 0.2593, 0.3914** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.9950, 0.4397, 0.2800**, and the grayscale version is **23.7566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6188, 0.2704, 0.3785**, and **13.1467, 0.2484, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **30.5820, 0.2555, 0.4035**, and if you desaturate by 10%, it is **32.0306, 0.2649, 0.3796**.

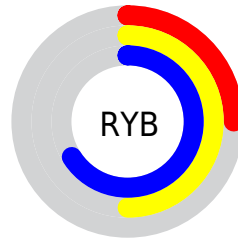
Distribution



Red (25%)

Green (66%)

Blue (53%)



Red (25%)

Yellow (50%)

Blue (66%)

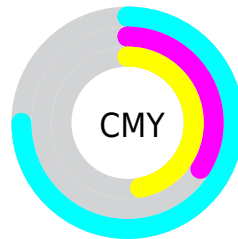


Cyan (62%)

Magenta (0%)

Yellow (20%)

Black (34%)



Cyan (75%)


Magenta (34%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2152, 0.2593, 0.3914 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 31.2152, 0.2593, 0.3914 by changing the saturation by 10% instead.


 31.2152, 0.2593,
0.3914


 31.2152, 0.2593,
0.3914


307.5285, 0.2882,
0.3570


 20.7628, 0.2513,
0.4013


 61.5787, 0.2704,
0.3780

 12.9507, 0.2404,
0.4148

 82.2586, 0.2744,
0.3732


 7.3946, 0.2250,
0.4344


 107.1164, 0.2777,
0.3693

 3.7101, 0.2015,
0.4654

 136.5366, 0.2805,
0.3661

 1.5127, 0.1401,
0.5345

 170.9035, 0.2828,
0.3633

 0.2977, 0.0000,
1.0000

210.6015, 0.2849,

 0.0000, 0.0000,

0.3609

0.0000

256.0151, 0.2867,
0.3588

■ 31.2152, 0.2593,
0.3914

■ 31.2152, 0.2593,
0.3914

■ 30.5820, 0.2555,
0.4035

■ 32.0306, 0.2649,
0.3796

■ 30.1110, 0.2537,
0.4158

■ 33.0385, 0.2720,
0.3683

■ 29.7843, 0.2538,
0.4280

■ 34.2530, 0.2804,
0.3577

■ 29.5943, 0.2549,
0.4376

■ 35.6857, 0.2898,
0.3478

■ 37.3472, 0.2999,
0.3388

■ 39.2477, 0.3105,
0.3306

■ 41.3965, 0.3213,
0.3232

■ 43.8025, 0.3321,
0.3167

■ 46.4741, 0.3428,
0.3109

Harmonies

Analogous

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



31.2152, 0.3175, 0.4366



31.2152, 0.2593, 0.3914



31.2152, 0.2180, 0.3265

Triad

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



31.2152, 0.2593, 0.3914



31.2152, 0.2434, 0.2314



31.2152, 0.4383, 0.3671

Complementary

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



31.2152, 0.2593, 0.3914



12.9950, 0.4397, 0.2800

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.



31.2152, 0.4158, 0.3190



31.2152, 0.2593, 0.3914



31.2152, 0.2976, 0.2449

Square

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



31.2152, 0.2593, 0.3914



31.2152, 0.2103, 0.2392



31.2152, 0.3620, 0.2760



31.2152, 0.4227, 0.4122

Rectangle

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



31.2152, 0.2593, 0.3914



31.2152, 0.2041, 0.2873



31.2152, 0.3620, 0.2760



31.2152, 0.4351, 0.3510

Sweetspot

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



31.2164, 0.2593, 0.3914



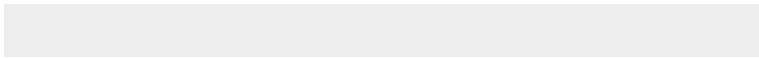
64.6878, 0.2925, 0.3453



31.4012, 0.3294, 0.5104



13.9302, 0.2898, 0.3478



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.



31.2164, 0.2593, 0.3914



54.4696, 0.2547, 0.4075



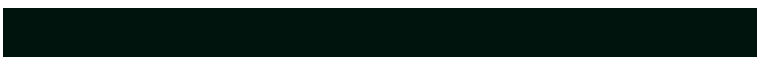
26.2555, 0.2316, 0.2976



8.4901, 0.3028, 0.3364



22.0681, 0.2545, 0.4364



0.5457, 0.2435, 0.3964

Inverse Universe

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



12.9950, 0.4397, 0.2800



19.1518, 0.4844, 0.2764



14.7764, 0.4862, 0.3544



7.5809, 0.3237, 0.3217



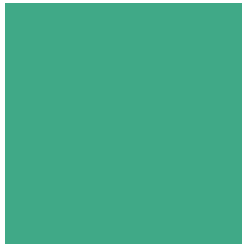
6.4993, 0.5632, 0.2876



0.1674, 0.4723, 0.2375

Previews

White Background



This preview shows how the Yxy color 31.2152, 0.2593, 0.3914 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 31.2152, 0.2593, 0.3914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

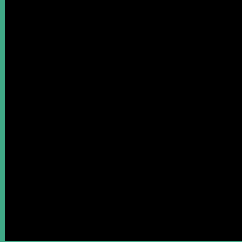
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2152, 0.2593, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 31.2152, 0.2593, 0.3914.



This preview shows how white text looks on a background with the Yxy color 31.2152, 0.2593, 0.3914.

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

31.2152, 0.2593, 0.3914

Protanopia

30.6900, 0.3457, 0.3662

Deuteranopia

30.5793, 0.3436, 0.3365



Tritanopia

31.0742, 0.2393, 0.3055

Trichromacy



Original Color

31.2152, 0.2593, 0.3914

Protanomaly

29.9840, 0.3057, 0.3767

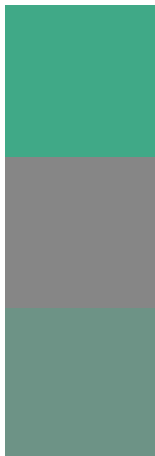
Deuteranomaly

29.7715, 0.3046, 0.3556

Tritanomaly

30.9747, 0.2459, 0.3340

Monochromacy



Original Color

31.2152, 0.2593, 0.3914

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.8399, 0.2870, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2152, 0.2593, 0.3914 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(64, 169, 135)` looks like.

```
.text, #text, p{  
    color:rgb(64, 169, 135)  
}
```

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(64, 169, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 169, 135) }
```

Border

The CSS property to change the border of an element to Yxy 31.2152, 0.2593, 0.3914 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(64, 169, 135) }
```

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

```
.border{ border-color:rgb(64, 169, 135) }
```

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

Here you see how a box with a 4 pixel rgb(64, 169, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 169, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 169, 135);  
box-shadow:4px 4px 4px 4px rgb(64, 169,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2152, 0.2593, 0.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 169, 135) }
```

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

```
.background{ background-color: rgb(64, 169,  
135) }
```

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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