

Converting Colors

$Y_{xy}(31.1489, 0.2451, 0.3057)$

Have a look what the booklet for
Yxy(31.1489, 0.2451, 0.3057)
contains.

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Color

Yxy(31.1489, 0.2451, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	5AA2B0
RGB	90, 162, 176
RGB Percent	35%, 64%, 69%
CMY	0.6470, 0.3647, 0.3098
CMYK	0.49, 0.08, 0.00, 0.31
HSL	190°, 35%, 52%
HSV	190°, 49%, 69%
XYZ	24.9741, 31.1489, 45.7706
YIQ	142.0680, -47.4060, -10.9100

Conversions

Conversions Part 2

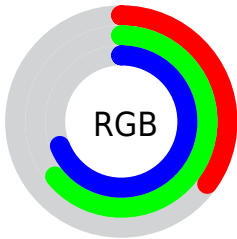
Format	Color
RYB	90, 129, 176
Decimal	5939888
CIELab	62.63, -18.69, -14.25
CIElCh	63, 23.498, 217.321
Yxy	31.1489, 0.2451, 0.3057
Android (android.graphics.Color)	4284129968 (0xFF5AA2B0)
YUV	142.0680, 16.7285, -45.6636
Hunter-Lab	55.8112, -17.7952, -9.5558

Details

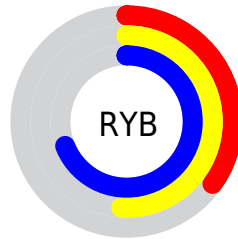
The Yxy color **31.1489, 0.2451, 0.3057** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8727, 0.4350, 0.3500**, and the grayscale version is **27.0271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4716, 0.2578, 0.3104**, and **12.8831, 0.2232, 0.2950** is the 20% darker color. If you saturate the color by 10%, you get **29.3712, 0.2346, 0.3001**, and if you desaturate by 10%, it is **33.1610, 0.2571, 0.3111**.

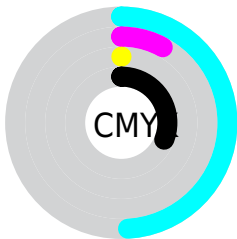
Distribution



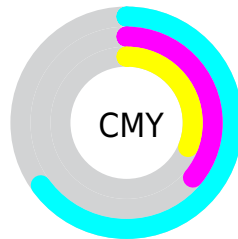
- Red (35%)
- Green (64%)
- Blue (69%)



- Red (35%)
- Yellow (51%)
- Blue (69%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)



- Cyan (65%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1489, 0.2451, 0.3057 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 31.1489, 0.2451, 0.3057 by changing the saturation by 10% instead.

■ 31.1489, 0.2451,
0.3057

■ 31.1489, 0.2451,
0.3057

■ 307.2237, 0.2803,
0.3189

■ 20.7123, 0.2359,
0.3019

■ 61.4744, 0.2582,
0.3109

■ 12.9138, 0.2239,
0.2966

■ 82.1321, 0.2630,
0.3127

■ 7.3692, 0.2075,
0.2889

■ 106.9656, 0.2671,
0.3142

■ 3.6941, 0.1841,
0.2768

■ 136.3592, 0.2705,
0.3155

■ 1.5039, 0.1485,
0.2557

■ 170.6975, 0.2735,
0.3165

■ 0.2915, 0.0000,
0.1768

■ 210.3647, 0.2761,

■ 0.0000, 0.0000,

0.3174

0.0000

255.7453, 0.2783,
0.3182

■ 31.1489, 0.2451,
0.3057

■ 31.1489, 0.2451,
0.3057

■ 29.3712, 0.2346,
0.3001

■ 33.1610, 0.2571,
0.3111

■ 27.8091, 0.2259,
0.2944

■ 35.4175, 0.2703,
0.3162

■ 26.4468, 0.2190,
0.2886

■ 37.9321, 0.2845,
0.3210

■ 25.2641, 0.2140,
0.2829

■ 40.7166, 0.2993,
0.3254

■ 24.2248, 0.2105,
0.2772

■ 43.7817, 0.3145,
0.3294

■ 24.1093, 0.2101,
0.2765

■ 47.1377, 0.3297,
0.3331

■ 50.7942, 0.3449,
0.3364

■ 54.7605, 0.3597,
0.3393

■ 59.0454, 0.3742,
0.3418

Harmonies

Analogous

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



31.1489, 0.2620, 0.3413



31.1489, 0.2451, 0.3057



31.1489, 0.2451, 0.2797

Triad

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



31.1489, 0.2451, 0.3057



31.1489, 0.3302, 0.2884



31.1489, 0.3638, 0.3931

Complementary

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



31.1489, 0.2451, 0.3057



19.8727, 0.4350, 0.3500

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.



31.1489, 0.3847, 0.3739



31.1489, 0.2451, 0.3057



31.1489, 0.3650, 0.3146

Square

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



31.1489, 0.2451, 0.3057



31.1489, 0.2923, 0.2718



31.1489, 0.3854, 0.3452



31.1489, 0.3298, 0.3947

Rectangle

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



31.1489, 0.2451, 0.3057



31.1489, 0.2544, 0.2703



31.1489, 0.3854, 0.3452



31.1489, 0.3727, 0.3883

Sweetspot

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



31.1501, 0.2451, 0.3057



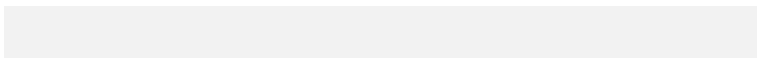
70.5520, 0.2897, 0.3226



34.2033, 0.2973, 0.4583



15.0703, 0.2867, 0.3217



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.1501, 0.2451, 0.3057



52.9151, 0.2335, 0.2994



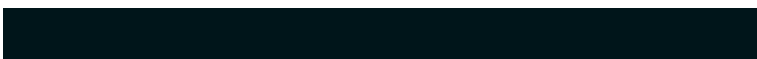
18.7687, 0.2312, 0.2310



9.3913, 0.2986, 0.3252



17.7611, 0.2103, 0.2771



0.6216, 0.2147, 0.2930

Inverse Universe

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



19.1539, 0.3358, 0.2290



29.2899, 0.3425, 0.2099



30.4977, 0.4029, 0.4094



8.6225, 0.3162, 0.3101



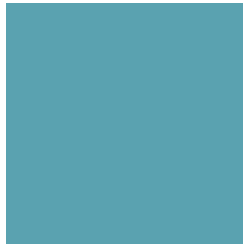
8.3331, 0.3662, 0.1791



0.2685, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 31.1489, 0.2451, 0.3057 looks on a white background.

Color Contrast Check

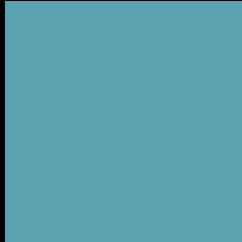
Large Text (above 18pt) WCAG AA × Fail

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 31.1489, 0.2451, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

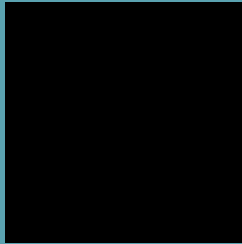
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1489, 0.2451, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 31.1489, 0.2451, 0.3057.



This preview shows how white text looks on a background with the Yxy color 31.1489, 0.2451, 0.3057.

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

31.1489, 0.2451, 0.3057

Protanopia

30.9357, 0.2944, 0.3017

Deuteranopia

30.7014, 0.2876, 0.2818



Tritanopia

31.1095, 0.2457, 0.3073

Trichromacy



Original Color

31.1489, 0.2451, 0.3057

Protanomaly

30.5635, 0.2733, 0.3020

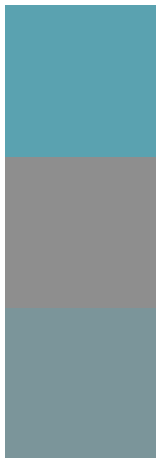
Deuteranomaly

30.3380, 0.2693, 0.2886

Tritanomaly

31.1095, 0.2457, 0.3073

Monochromacy



Original Color

31.1489, 0.2451, 0.3057

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.0389, 0.2829, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1489, 0.2451, 0.3057 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(90, 162, 176)` looks like.

```
.text, #text, p{  
  color:rgb(90, 162, 176)  
}
```

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(90, 162, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 162, 176) }
```

Border

The CSS property to change the border of an element to Yxy 31.1489, 0.2451, 0.3057 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(90, 162, 176) }
```

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

```
.border{ border-color:rgb(90, 162, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 162, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 162, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 162, 176);  
box-shadow:4px 4px 4px 4px rgb(90, 162,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1489, 0.2451, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 162, 176) }
```

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

```
.background{ background-color: rgb(90, 162,  
176) }
```

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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