

Converting Colors

$Y_{xy}(31.1966, 0.2521, 0.3050)$

Have a look what the booklet for
Yxy(31.1966, 0.2521, 0.3050)
contains.

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Color

Yxy(31.3516, 0.2523, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	65A1AF
RGB	101, 161, 175
RGB Percent	40%, 63%, 69%
CMY	0.6040, 0.3686, 0.3137
CMYK	0.42, 0.08, 0.00, 0.31
HSL	191°, 32%, 54%
HSV	191°, 42%, 69%
XYZ	25.8497, 31.3516, 45.2549
YIQ	144.6560, -40.2540, -8.3660

Conversions

Conversions Part 2

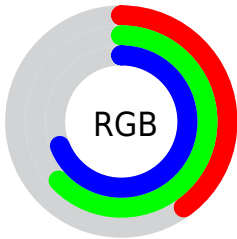
Format	Color
RYB	101, 134, 175
Decimal	6660527
CIELab	62.80, -15.72, -13.39
CIElCh	63, 20.649, 220.418
Yxy	31.3516, 0.2523, 0.3060
Android (android.graphics.Color)	4284850607 (0xFF65A1AF)
YUV	144.6560, 14.9596, -38.2863
Hunter-Lab	55.9925, -15.5799, -8.7253

Details

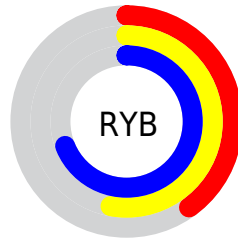
The Yxy color **31.3516, 0.2523, 0.3060** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3176, 0.4106, 0.3503**, and the grayscale version is **28.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8498, 0.2636, 0.3106**, and **12.9717, 0.2328, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **29.3052, 0.2405, 0.2996**, and if you desaturate by 10%, it is **33.6462, 0.2654, 0.3121**.

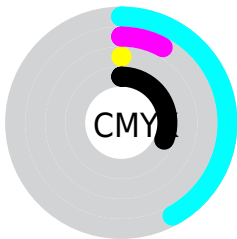
Distribution



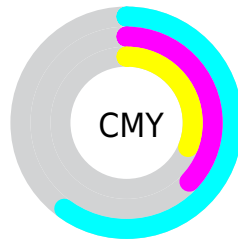
- Red (40%)
- Green (63%)
- Blue (69%)



- Red (40%)
- Yellow (53%)
- Blue (69%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)





- Cyan (60%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3516, 0.2523, 0.3060 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 31.3516, 0.2523, 0.3060 by changing the saturation by 10% instead.

 31.3516, 0.2523,
0.3060


 31.3516, 0.2523,
0.3060


308.1549, 0.2838,
0.3188

 20.8667, 0.2440,
0.3023


 61.7932, 0.2641,
0.3110

 13.0266, 0.2332,
0.2973


 82.5187, 0.2684,
0.3128

 7.4469, 0.2183,
0.2900


 107.4266, 0.2720,
0.3142

 3.7431, 0.1970,
0.2786

 136.9012, 0.2751,
0.3155

 1.5309, 0.1640,
0.2590

171.3269, 0.2777,
0.3165

 0.3103, 0.0000,
0.1917

211.0882, 0.2800,

 0.0000, 0.0000,

0.3174

0.0000

256.5694, 0.2820,
0.3182

■ 31.3516, 0.2523,
0.3060

■ 31.3516, 0.2523,
0.3060

■ 29.3052, 0.2405,
0.2996

■ 33.6462, 0.2654,
0.3121

■ 27.4894, 0.2302,
0.2930

■ 36.1982, 0.2794,
0.3178

■ 25.8898, 0.2218,
0.2862

■ 39.0207, 0.2941,
0.3231

■ 24.4885, 0.2151,
0.2794

■ 42.1245, 0.3092,
0.3280

■ 23.2643, 0.2104,
0.2726

■ 45.5203, 0.3244,
0.3323

■ 22.4077, 0.2076,
0.2675

■ 49.2177, 0.3395,
0.3363

■ 53.2260, 0.3543,
0.3398

■ 57.5542, 0.3687,
0.3429

■ 61.5400, 0.3796,
0.3457

Harmonies

Analogous

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



31.3516, 0.2659, 0.3366



31.3516, 0.2523, 0.3060



31.3516, 0.2538, 0.2841

Triad

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



31.3516, 0.2523, 0.3060



31.3516, 0.3316, 0.2952



31.3516, 0.3551, 0.3862

Complementary

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



31.3516, 0.2523, 0.3060



22.3176, 0.4106, 0.3503

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.



31.3516, 0.3747, 0.3711



31.3516, 0.2523, 0.3060



31.3516, 0.3611, 0.3192

Square

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



31.3516, 0.2523, 0.3060



31.3516, 0.2982, 0.2794



31.3516, 0.3772, 0.3465



31.3516, 0.3246, 0.3853

Rectangle

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



31.3516, 0.2523, 0.3060



31.3516, 0.2632, 0.2765



31.3516, 0.3772, 0.3465



31.3516, 0.3632, 0.3827

Sweetspot

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



31.3528, 0.2523, 0.3060



69.3797, 0.2927, 0.3226



34.6605, 0.2973, 0.4335



15.1689, 0.2895, 0.3215



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.



31.3528, 0.2523, 0.3060



52.6173, 0.2410, 0.2999



20.3856, 0.2419, 0.2422



8.8104, 0.2986, 0.3246



16.1279, 0.2079, 0.2682



0.5142, 0.2135, 0.2886

Inverse Universe

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



20.9946, 0.3344, 0.2441



32.1462, 0.3409, 0.2264



32.3742, 0.3876, 0.4023



8.1217, 0.3165, 0.3108



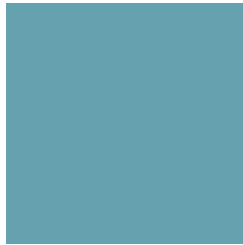
7.9312, 0.3745, 0.1837



0.2272, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 31.3516, 0.2523, 0.3060 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 31.3516, 0.2523, 0.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

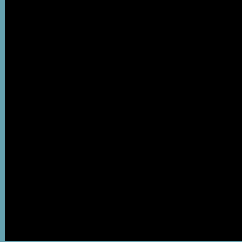
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3516, 0.2523, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 31.3516, 0.2523, 0.3060.



This preview shows how white text looks on a background with the Yxy color 31.3516, 0.2523, 0.3060.

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

31.3516, 0.2523, 0.3060

Protanopia

31.0294, 0.2953, 0.3017

Deuteranopia

31.1665, 0.2904, 0.2849



Tritanopia

31.3124, 0.2530, 0.3076

Trichromacy



Original Color

31.3516, 0.2523, 0.3060

Protanomaly

30.9570, 0.2776, 0.3024

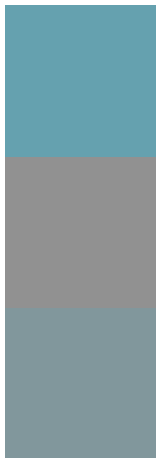
Deuteranomaly

31.0251, 0.2745, 0.2921

Tritanomaly

31.3124, 0.2530, 0.3076

Monochromacy



Original Color

31.3516, 0.2523, 0.3060

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.2006, 0.2869, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3516, 0.2523, 0.3060 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(101, 161, 175)` looks like.

```
.text, #text, p{  
    color:rgb(101, 161, 175)  
}
```

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(101, 161, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 161, 175) }
```

Border

The CSS property to change the border of an element to Yxy 31.3516, 0.2523, 0.3060 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(101, 161, 175) }
```

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

```
.border{ border-color:rgb(101, 161, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 161, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 161, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 161, 175);  
box-shadow:4px 4px 4px 4px rgb(101, 161,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3516, 0.2523, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 161, 175) }
```

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

```
.background{ background-color: rgb(101,  
161, 175) }
```

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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