

Converting Colors

$Y_{xy}(31.3048, 0.2577, 0.2990)$

Have a look what the booklet for
Yxy(31.3048, 0.2577, 0.2990)
contains.

Yxy(31.4153, 0.2581, 0.3001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.4153, 0.2581, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	709FB1
RGB	112, 159, 177
RGB Percent	44%, 62%, 69%
CMY	0.5608, 0.3765, 0.3058
CMYK	0.37, 0.10, 0.00, 0.31
HSL	197°, 29%, 57%
HSV	197°, 37%, 69%
XYZ	27.0186, 31.4153, 46.2488
YIQ	146.9990, -33.7900, -4.3660

Conversions

Conversions Part 2

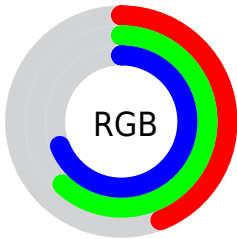
Format	Color
RYB	112, 139, 177
Decimal	7380913
CIELab	62.86, -11.14, -14.38
CIElCh	63, 18.191, 232.238
Yxy	31.4153, 0.2581, 0.3001
Android (android.graphics.Color)	4285570993 (0xFF709FB1)
YUV	146.9990, 14.7905, -30.6941
Hunter-Lab	56.0494, -12.0403, -9.6883

Details

The Yxy color **31.4153, 0.2581, 0.3001** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4955, 0.3901, 0.3558**, and the grayscale version is **29.1269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0833, 0.2687, 0.3062**, and **13.1410, 0.2412, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **28.7122, 0.2446, 0.2908**, and if you desaturate by 10%, it is **34.4162, 0.2725, 0.3089**.

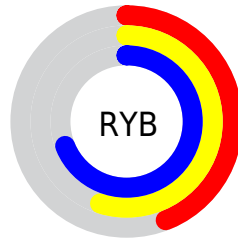
Distribution



Red (44%)

Green (62%)

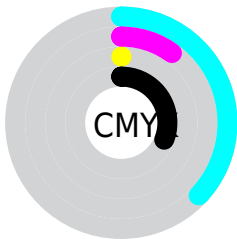
Blue (69%)



Red (44%)

Yellow (55%)

Blue (69%)

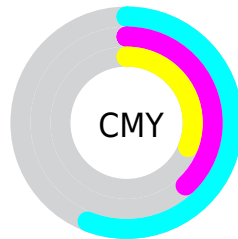


Cyan (37%)

Magenta (10%)

Yellow (0%)

Black (31%)



Cyan (56%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4153, 0.2581, 0.3001 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 31.4153, 0.2581, 0.3001 by changing the saturation by 10% instead.

■ 31.4153, 0.2581,
0.3001

■ 31.4153, 0.2581,
0.3001

■ 308.4471, 0.2867,
0.3159

■ 20.9153, 0.2506,
0.2957

■ 61.8933, 0.2688,
0.3062

■ 13.0621, 0.2407,
0.2898

■ 82.6401, 0.2727,
0.3083

■ 7.4713, 0.2272,
0.2813

■ 107.5714, 0.2760,
0.3101

■ 3.7586, 0.2076,
0.2685

■ 137.0713, 0.2788,
0.3117

■ 1.5394, 0.1771,
0.2469

■ 171.5245, 0.2811,
0.3129

■ 0.3163, 0.0164,
0.1809

■ 211.3153, 0.2832,

■ 0.0000, 0.0000,

0.3141

0.0000

256.8280, 0.2850,
0.3150

■ 31.4153, 0.2581,
0.3001

■ 31.4153, 0.2581,
0.3001

■ 28.7122, 0.2446,
0.2908

■ 34.4162, 0.2725,
0.3089

■ 26.2890, 0.2324,
0.2810

■ 37.7244, 0.2874,
0.3170

■ 24.1313, 0.2216,
0.2708

■ 41.3532, 0.3025,
0.3244

■ 22.2216, 0.2127,
0.2605

■ 45.3141, 0.3177,
0.3311

■ 20.5397, 0.2057,
0.2501

■ 49.6180, 0.3326,
0.3372

■ 19.0576, 0.2006,
0.2399

■ 54.2751, 0.3471,
0.3425

■ 18.5983, 0.1991,
0.2366

■ 59.2952, 0.3611,
0.3472

■ 64.6877, 0.3745,
0.3514

■ 67.2313, 0.3741,
0.3563

Harmonies

Analogous

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



31.4153, 0.2651, 0.3248



31.4153, 0.2581, 0.3001



31.4153, 0.2648, 0.2848

Triad

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



31.4153, 0.2581, 0.3001



31.4153, 0.3406, 0.3069



31.4153, 0.3404, 0.3808

Complementary

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



31.4153, 0.2581, 0.3001



26.4955, 0.3901, 0.3558

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.



31.4153, 0.3621, 0.3729



31.4153, 0.2581, 0.3001



31.4153, 0.3626, 0.3300

Square

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



31.4153, 0.2581, 0.3001



31.4153, 0.3115, 0.2894



31.4153, 0.3705, 0.3539



31.4153, 0.3118, 0.3735

Rectangle

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



31.4153, 0.2581, 0.3001



31.4153, 0.2764, 0.2811



31.4153, 0.3705, 0.3539



31.4153, 0.3488, 0.3797

Sweetspot

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



31.4165, 0.2581, 0.3001



71.0670, 0.2957, 0.3212



36.4948, 0.2951, 0.4081



15.2166, 0.2938, 0.3202



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.



31.4165, 0.2581, 0.3001



52.3213, 0.2472, 0.2927



21.8457, 0.2506, 0.2462



9.2252, 0.2986, 0.3225



13.5763, 0.1994, 0.2377



0.5190, 0.2073, 0.2661

Inverse Universe

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



23.4436, 0.3378, 0.2623



36.5553, 0.3452, 0.2481



36.3106, 0.3739, 0.3998



8.6057, 0.3178, 0.3127



7.9107, 0.4047, 0.2003



0.2582, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 31.4153, 0.2581, 0.3001 looks on a white background.

Color Contrast Check

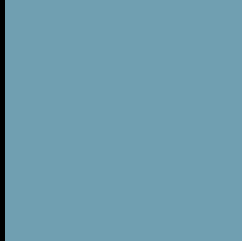
Large Text (above 18pt) WCAG AA × Fail

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 31.4153, 0.2581, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

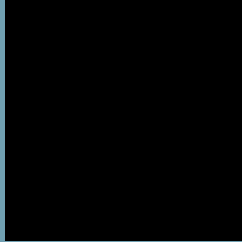
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4153, 0.2581, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 31.4153, 0.2581, 0.3001.



This preview shows how white text looks on a background with the Yxy color 31.4153, 0.2581, 0.3001.

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

31.4153, 0.2581, 0.3001

Protanopia

31.0489, 0.2918, 0.2973

Deuteranopia

31.2068, 0.2895, 0.2835



Tritanopia

31.5382, 0.2604, 0.3079

Trichromacy



Original Color

31.4153, 0.2581, 0.3001

Protanomaly

30.9505, 0.2785, 0.2980

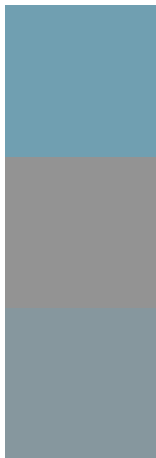
Deuteranomaly

31.0741, 0.2770, 0.2894

Tritanomaly

31.5771, 0.2597, 0.3064

Monochromacy



Original Color

31.4153, 0.2581, 0.3001

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.6702, 0.2899, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4153, 0.2581, 0.3001 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(112, 159, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 159, 177)  
}
```

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(112, 159, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 159, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.4153, 0.2581, 0.3001 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(112, 159, 177) }
```

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

```
.border{ border-color:rgb(112, 159, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 159, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 159, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 159, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 159,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4153, 0.2581, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 159, 177) }
```

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

```
.background{ background-color: rgb(112,  
159, 177) }
```

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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