

Converting Colors

$Y_{xy}(31.2093, 0.2638, 0.3111)$

Have a look what the booklet for
Yxy(31.2093, 0.2638, 0.3111)
contains.

Yxy(31.2093, 0.2638, 0.3111)	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(31.2093, 0.2638, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	719FAA
RGB	113, 159, 170
RGB Percent	44%, 62%, 67%
CMY	0.5568, 0.3765, 0.3334
CMYK	0.34, 0.06, 0.00, 0.33
HSL	192°, 25%, 55%
HSV	192°, 34%, 67%
XYZ	26.4642, 31.2093, 42.6457
YIQ	146.5000, -30.9470, -6.3310

Conversions

Conversions Part 2

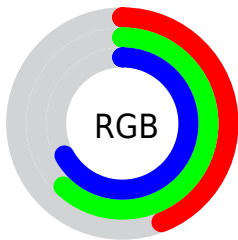
Format	Color
RYB	113, 138, 170
Decimal	7446442
CIELab	62.68, -12.66, -10.67
CIELCh	63, 16.556, 220.122
Yxy	31.2093, 0.2638, 0.3111
Android (android.graphics.Color)	4285636522 (0xFF719FAA)
YUV	146.5000, 11.5855, -29.3795
Hunter-Lab	55.8653, -13.2062, -6.1543

Details

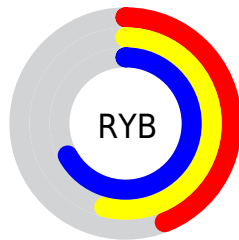
The Yxy color **31.2093, 0.2638, 0.3111** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.1512, 0.3834, 0.3460**, and the grayscale version is **28.9238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7449, 0.2738, 0.3156**, and **13.0573, 0.2482, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **29.0749, 0.2509, 0.3049**, and if you desaturate by 10%, it is **33.5872, 0.2777, 0.3170**.

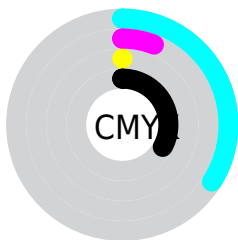
Distribution



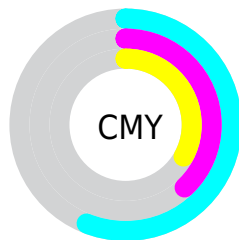
- Red (44%)
- Green (62%)
- Blue (67%)



- Red (44%)
- Yellow (54%)
- Blue (67%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





- Cyan (56%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2093, 0.2638, 0.3111 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 31.2093, 0.2638, 0.3111 by changing the saturation by 10% instead.


 31.2093, 0.2638,
0.3111


 31.2093, 0.2638,
0.3111


307.5014, 0.2895,
0.3210


 20.7583, 0.2570,
0.3083


 61.5694, 0.2734,
0.3150

 12.9474, 0.2480,
0.3044


 82.2474, 0.2770,
0.3163

 7.3924, 0.2356,
0.2987


 107.1030, 0.2799,
0.3175

 3.7087, 0.2174,
0.2899

 136.5208, 0.2824,
0.3184

 1.5120, 0.1886,
0.2744

170.8852, 0.2845,
0.3192

 0.2971, 0.0000,
0.2168

210.5805, 0.2864,

 0.0000, 0.0000,

0.3199

0.0000

255.9911, 0.2880,
0.3205

■ 31.2093, 0.2638,
0.3111

■ 31.2093, 0.2638,
0.3111

■ 29.0749, 0.2509,
0.3049

■ 33.5872, 0.2777,
0.3170

■ 27.1682, 0.2392,
0.2983

■ 36.2159, 0.2924,
0.3224

■ 25.4773, 0.2291,
0.2916

■ 39.1072, 0.3074,
0.3274

■ 23.9874, 0.2208,
0.2847

■ 42.2707, 0.3226,
0.3319

■ 22.6817, 0.2143,
0.2778

■ 45.7156, 0.3377,
0.3359

■ 21.5399, 0.2097,
0.2709

■ 49.4507, 0.3525,
0.3395

■ 20.8562, 0.2074,
0.2665

■ 53.4843, 0.3668,
0.3427

■ 57.8243, 0.3807,
0.3455

■ 60.3315, 0.3847,
0.3486

Harmonies

Analogous

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



31.2093, 0.2751, 0.3355



31.2093, 0.2638, 0.3111



31.2093, 0.2649, 0.2931

Triad

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



31.2093, 0.2638, 0.3111



31.2093, 0.3278, 0.3014



31.2093, 0.3472, 0.3748

Complementary

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



31.2093, 0.2638, 0.3111



24.1512, 0.3834, 0.3460

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.



31.2093, 0.3626, 0.3631



31.2093, 0.2638, 0.3111



31.2093, 0.3513, 0.3211

Square

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



31.2093, 0.2638, 0.3111



31.2093, 0.3009, 0.2885



31.2093, 0.3643, 0.3433



31.2093, 0.3228, 0.3738

Rectangle

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



31.2093, 0.2638, 0.3111



31.2093, 0.2725, 0.2866



31.2093, 0.3643, 0.3433



31.2093, 0.3536, 0.3722

Sweetspot

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



31.2105, 0.2638, 0.3111



67.4221, 0.2973, 0.3241



33.6938, 0.3002, 0.4081



14.8791, 0.2953, 0.3234



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.2105, 0.2638, 0.3111



53.8054, 0.2543, 0.3066



22.6626, 0.2578, 0.2633



8.2827, 0.2987, 0.3245



15.4248, 0.2076, 0.2672



0.4366, 0.2138, 0.2898

Inverse Universe

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



22.8627, 0.3292, 0.2619



36.7069, 0.3337, 0.2476



32.1731, 0.3700, 0.3869



7.6415, 0.3166, 0.3110



7.6282, 0.3755, 0.1842



0.1918, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 31.2093, 0.2638, 0.3111 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 31.2093, 0.2638, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

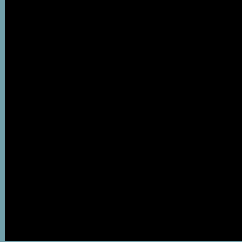
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2093, 0.2638, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 31.2093, 0.2638, 0.3111.

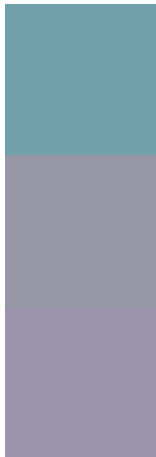


This preview shows how white text looks on a background with the Yxy color 31.2093, 0.2638, 0.3111.

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

31.2093, 0.2638, 0.3111

Protanopia

30.9771, 0.2998, 0.3077

Deuteranopia

30.9139, 0.2985, 0.2921



Tritanopia

31.2855, 0.2623, 0.3079

Trichromacy



Original Color

31.2093, 0.2638, 0.3111

Protanomaly

30.8540, 0.2860, 0.3086

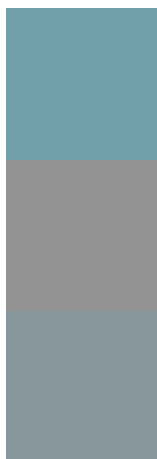
Deuteranomaly

30.6489, 0.2844, 0.2982

Tritanomaly

31.2473, 0.2630, 0.3095

Monochromacy



Original Color

31.2093, 0.2638, 0.3111

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.6507, 0.2934, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2093, 0.2638, 0.3111 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(113, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(113, 159, 170)  
}
```

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(113, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 159, 170) }
```

Border

The CSS property to change the border of an element to Yxy 31.2093, 0.2638, 0.3111 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(113, 159, 170) }
```

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

```
.border{ border-color:rgb(113, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(113, 159,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2093, 0.2638, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 159, 170) }
```

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

```
.background{ background-color: rgb(113,  
159, 170) }
```

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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