

Converting Colors

$Y_{xy}(42.6223, 0.2850, 0.3103)$

Have a look what the booklet for
Yxy(42.6223, 0.2850, 0.3103)
contains.

Yxy(42.7705, 0.2853, 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(42.7705, 0.2853, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	9DB2BF
RGB	157, 178, 191
RGB Percent	62%, 70%, 75%
CMY	0.3845, 0.3019, 0.2509
CMYK	0.18, 0.07, 0.00, 0.25
HSL	203°, 21%, 68%
HSV	203°, 18%, 75%
XYZ	39.2235, 42.7705, 55.4875
YIQ	173.2030, -16.6890, -0.4090

Conversions

Conversions Part 2

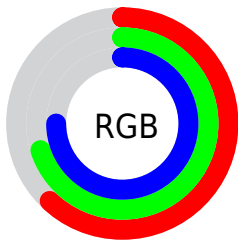
Format	Color
RYB	157, 170, 191
Decimal	10334911
CIELab	71.40, -4.47, -9.06
CIElCh	71, 10.103, 243.768
Yxy	42.7705, 0.2853, 0.3111
Android (android.graphics.Color)	4288524991 (0xFF9DB2BF)
YUV	173.2030, 8.7739, -14.2100
Hunter-Lab	65.3992, -7.3922, -4.5248

Details

The Yxy color **42.7705, 0.2853, 0.3111** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.2446, 0.3437, 0.3463**, and the grayscale version is **41.8564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5581, 0.2907, 0.3152**, and **19.5055, 0.2767, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **38.1741, 0.2698, 0.2996**, and if you desaturate by 10%, it is **47.8250, 0.3008, 0.3215**.

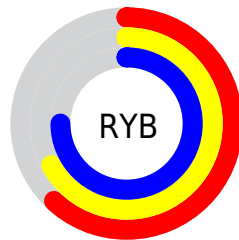
Distribution



Red (62%)

Green (70%)

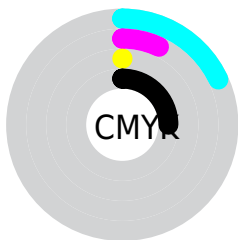
Blue (75%)



Red (62%)

Yellow (67%)

Blue (75%)

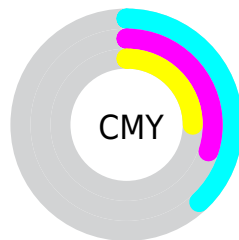


Cyan (18%)

Magenta (7%)

Yellow (0%)

Black (25%)



Cyan (38%)

Magenta (30%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7705, 0.2853, 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 42.7705, 0.2853, 0.3111 by changing the saturation by 10% instead.

■ 42.7705, 0.2853,
0.3111

■ 42.7705, 0.2853,
0.3111

■ 357.6671, 0.2991,
0.3203

■ 29.7051, 0.2818,
0.3087

■ 79.3644, 0.2903,
0.3145

■ 19.6148, 0.2774,
0.3057

■ 103.6617, 0.2922,
0.3157

■ 12.1154, 0.2714,
0.3016

■ 132.4718, 0.2938,
0.3168

■ 6.8223, 0.2630,
0.2957

■ 166.1790, 0.2952,
0.3177

■ 3.3512, 0.2504,
0.2866

■ 205.1677, 0.2964,
0.3185

■ 1.3177, 0.2294,
0.2710

■ 249.8224, 0.2974,

■ 0.1549, 0.0384,

0.3191

0.1556

300.5274, 0.2983,
0.3197

0.0000, 0.0000,
0.0000

42.7705, 0.2853,
0.3111

42.7705, 0.2853,
0.3111

38.1741, 0.2698,
0.2996

47.8250, 0.3008,
0.3215

34.0143, 0.2546,
0.2872

53.3477, 0.3160,
0.3310

30.2753, 0.2400,
0.2738

59.3548, 0.3307,
0.3394

26.9384, 0.2265,
0.2598

65.8602, 0.3448,
0.3468

23.9827, 0.2144,
0.2453

72.8770, 0.3583,
0.3534

■ 21.3851, 0.2042,
0.2306

■ 77.1398, 0.3584,
0.3605

■ 19.1190, 0.1960,
0.2159

■ 81.0920, 0.3567,
0.3676

■ 17.1453, 0.1897,
0.2016

■ 85.2137, 0.3550,
0.3747

■ 16.7428, 0.1885,
0.1985

■ 89.5069, 0.3533,
0.3815

Harmonies

Analogous

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



42.7705, 0.2862, 0.3222



42.7705, 0.2853, 0.3111



42.7705, 0.2915, 0.3051

Triad

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



42.7705, 0.2853, 0.3111



42.7705, 0.3315, 0.3222



42.7705, 0.3216, 0.3539

Complementary

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



42.7705, 0.2853, 0.3111



42.2446, 0.3437, 0.3463

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.



42.7705, 0.3341, 0.3534



42.7705, 0.2853, 0.3111



42.7705, 0.3400, 0.3348

Square

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



42.7705, 0.2853, 0.3111



42.7705, 0.3181, 0.3116



42.7705, 0.3409, 0.3462



42.7705, 0.3069, 0.3474

Rectangle

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



42.7705, 0.2853, 0.3111



42.7705, 0.2990, 0.3046



42.7705, 0.3409, 0.3462



42.7705, 0.3262, 0.3546

Sweetspot

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



42.7723, 0.2853, 0.3111



88.2755, 0.3050, 0.3242



47.3138, 0.3014, 0.3589



19.2335, 0.3039, 0.3236



97.7402, 0.3127, 0.3290



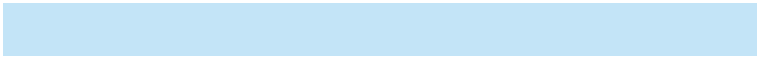
20.4902, 0.3127, 0.3290

Same Dimension

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



42.7723, 0.2853, 0.3111



73.6173, 0.2799, 0.3072



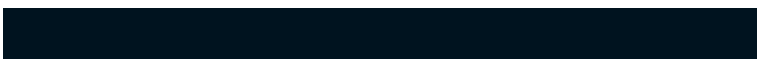
36.5892, 0.2841, 0.2877



10.1810, 0.2984, 0.3200



11.1604, 0.1890, 0.2004



0.5598, 0.1985, 0.2347

Inverse Universe

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



38.3919, 0.3266, 0.3016



64.6254, 0.3298, 0.2959



48.8297, 0.3401, 0.3672



9.6328, 0.3194, 0.3149



8.1563, 0.4448, 0.2224



0.3319, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 42.7705, 0.2853, 0.3111 looks on a white background.

Color Contrast Check

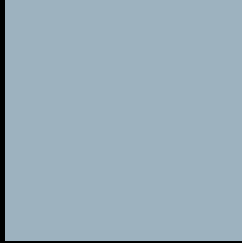
Large Text (above 18pt) WCAG AA × Fail

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 42.7705, 0.2853, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

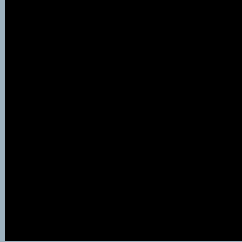
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

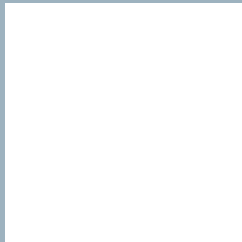
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7705, 0.2853, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 42.7705, 0.2853, 0.3111.



This preview shows how white text looks on a background with the Yxy color 42.7705, 0.2853, 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

42.7705, 0.2853, 0.3111

Protanopia

42.5167, 0.3014, 0.3090

Deuteranopia

42.6670, 0.3053, 0.2992



Tritanopia

42.8147, 0.2846, 0.3098

Trichromacy



Original Color

42.7705, 0.2853, 0.3111

Protanomaly

42.6589, 0.2956, 0.3101

Deuteranomaly

42.6916, 0.2983, 0.3038

Tritanomaly

42.8147, 0.2846, 0.3098

Monochromacy



Original Color

42.7705, 0.2853, 0.3111

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.1707, 0.3018, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7705, 0.2853, 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(157, 178, 191)` looks like.

```
.text, #text, p{  
    color:rgb(157, 178, 191)  
}
```

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(157, 178, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 178, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.7705, 0.2853, 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(157, 178, 191) }
```

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

```
.border{ border-color:rgb(157, 178, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 178, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 178, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 178, 191);  
box-shadow:4px 4px 4px 4px rgb(157, 178,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7705, 0.2853, 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(157, 178, 191) }
```

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

```
.background{ background-color: rgb(157,  
178, 191) }
```

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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