

Converting Colors

$Yxy(51.9873, 0.2832, 0.3167)$

Have a look what the booklet for
Yxy(51.9873, 0.2832, 0.3167)
contains.

Yxy(52.0431, 0.2831, 0.3161)	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(52.0431, 0.2831, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	A6C4CE
RGB	166, 196, 206
RGB Percent	65%, 77%, 81%
CMY	0.3489, 0.2314, 0.1921
CMYK	0.19, 0.05, 0.00, 0.19
HSL	195°, 29%, 73%
HSV	195°, 19%, 81%
XYZ	46.6099, 52.0431, 65.9882
YIQ	188.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

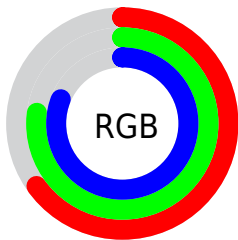
Format	Color
R_{YB}	166, 183, 206
Decimal	10929358
CIE _{Lab}	77.31, -7.89, -8.38
CIE _{LCh}	77, 11.510, 226.708
Yxy	52.0431, 0.2831, 0.3161
Android (android.graphics.Color)	4289119438 (0xFFA6C4CE)
YUV	188.1700, 8.7902, -19.4431
Hunter-Lab	72.1409, -10.9185, -3.7347

Details

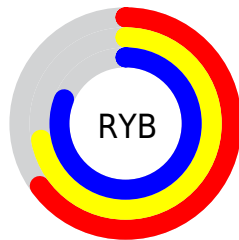
The Yxy color **52.0431, 0.2831, 0.3161** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9403, 0.3483, 0.3415**, and the grayscale version is **50.3521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0002, 0.2928, 0.3269**, and **25.1237, 0.2746, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **47.7069, 0.2683, 0.3085**, and if you desaturate by 10%, it is **56.8202, 0.2983, 0.3230**.

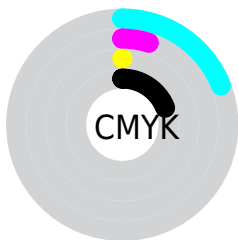
Distribution



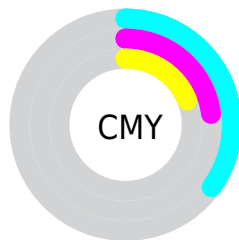
- Red (65%)
- Green (77%)
- Blue (81%)



- Red (65%)
- Yellow (72%)
- Blue (81%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0431, 0.2831, 0.3161 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 52.0431, 0.2831, 0.3161 by changing the saturation by 10% instead.

■ 52.0431, 0.2831,
0.3161

■ 52.0431, 0.2831,
0.3161

■ 394.6030, 0.2975,
0.3226

■ 37.0394, 0.2796,
0.3145

■ 93.1948, 0.2882,
0.3185

■ 25.2380, 0.2752,
0.3124

■ 120.1116, 0.2902,
0.3193

■ 16.2545, 0.2695,
0.3096

■ 151.7683, 0.2919,
0.3201

■ 9.7044, 0.2617,
0.3058

■ 188.5492, 0.2933,
0.3207

■ 5.2034, 0.2505,
0.3000

■ 230.8387, 0.2946,
0.3213

■ 2.3671, 0.2332,
0.2907

■ 279.0212, 0.2957,

■ 0.8089, 0.1957,

0.3218

0.2748

333.4812, 0.2966,
0.3222

0.0000, 0.0000,
0.0000

52.0431, 0.2831,
0.3161

52.0431, 0.2831,
0.3161

47.7069, 0.2683,
0.3085

56.8202, 0.2983,
0.3230

43.7875, 0.2543,
0.3004

62.0483, 0.3136,
0.3294

40.2679, 0.2413,
0.2918

67.7454, 0.3288,
0.3350

37.1272, 0.2298,
0.2828

73.9261, 0.3437,
0.3401

34.3422, 0.2199,
0.2736

77.8470, 0.3477,
0.3451

■ 31.8869, 0.2120,
0.2642

■ 80.6255, 0.3468,
0.3502

■ 29.7302, 0.2060,
0.2549

■ 83.4886, 0.3458,
0.3553

■ 27.8197, 0.2017,
0.2457

■ 86.4369, 0.3449,
0.3603

■ 27.7116, 0.2014,
0.2452

■ 89.4712, 0.3440,
0.3652

Harmonies

Analogous

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



52.0431, 0.2884, 0.3298



52.0431, 0.2831, 0.3161



52.0431, 0.2855, 0.3063

Triad

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



52.0431, 0.2831, 0.3161



52.0431, 0.3250, 0.3149



52.0431, 0.3303, 0.3562

Complementary

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



52.0431, 0.2831, 0.3161



46.9403, 0.3483, 0.3415

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.



52.0431, 0.3406, 0.3513



52.0431, 0.2831, 0.3161



52.0431, 0.3375, 0.3275

Square

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



52.0431, 0.2831, 0.3161



52.0431, 0.3094, 0.3060



52.0431, 0.3433, 0.3407



52.0431, 0.3155, 0.3535

Rectangle

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



52.0431, 0.2831, 0.3161



52.0431, 0.2911, 0.3032



52.0431, 0.3433, 0.3407



52.0431, 0.3344, 0.3554

Sweetspot

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



52.0452, 0.2831, 0.3161



94.7931, 0.3034, 0.3252



55.3927, 0.3035, 0.3683



20.1719, 0.3024, 0.3248



0.0000, 0.0000, 0.0000



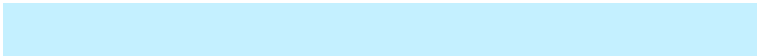
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0452, 0.2831, 0.3161



81.5092, 0.2773, 0.3132



43.6230, 0.2815, 0.2896



12.2328, 0.2983, 0.3231



17.2226, 0.2018, 0.2465



1.0044, 0.2068, 0.2645

Inverse Universe

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



44.3881, 0.3235, 0.2927



67.2080, 0.3261, 0.2852



55.3635, 0.3439, 0.3655



11.3539, 0.3175, 0.3118



9.5416, 0.3957, 0.1953



0.5039, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 52.0431, 0.2831, 0.3161 looks on a white background.

Color Contrast Check

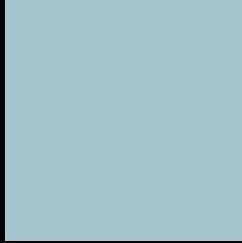
Large Text (above 18pt) WCAG AA × Fail

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 52.0431, 0.2831, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

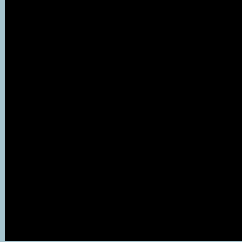
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

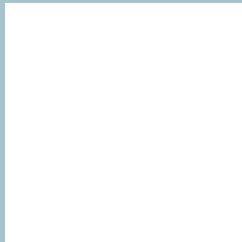
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0431, 0.2831, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 52.0431, 0.2831, 0.3161.



This preview shows how white text looks on a background with the Yxy color 52.0431, 0.2831, 0.3161.

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

52.0431, 0.2831, 0.3161

Protanopia

51.7358, 0.3046, 0.3130

Deuteranopia

51.6695, 0.3083, 0.3015



Tritanopia

51.9489, 0.2805, 0.3086

Trichromacy



Original Color

52.0431, 0.2831, 0.3161

Protanomaly

51.9562, 0.2968, 0.3152

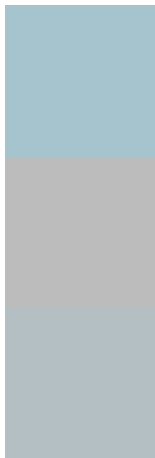
Deuteranomaly

51.5916, 0.2986, 0.3068

Tritanomaly

51.8492, 0.2818, 0.3111

Monochromacy



Original Color

52.0431, 0.2831, 0.3161

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.9050, 0.3010, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0431, 0.2831, 0.3161 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(166, 196, 206)` looks like.

```
.text, #text, p{  
    color:rgb(166, 196, 206)  
}
```

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(166, 196, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 196, 206) }
```

Border

The CSS property to change the border of an element to Yxy 52.0431, 0.2831, 0.3161 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(166, 196, 206) }
```

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

```
.border{ border-color:rgb(166, 196, 206) }
```

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

Here you see how a box with a 4 pixel rgb(166, 196, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 196, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 196, 206);  
box-shadow:4px 4px 4px 4px rgb(166, 196,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0431, 0.2831, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 196, 206) }
```

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

```
.background{ background-color: rgb(166,  
196, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor