

Converting Colors

$Y_{xy}(46.7172, 0.2963, 0.3096)$

Have a look what the booklet for
Yxy(46.7172, 0.2963, 0.3096)
contains.

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Color

Yxy(46.7172, 0.2963, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	B0B6C5
RGB	176, 182, 197
RGB Percent	69%, 71%, 77%
CMY	0.3097, 0.2863, 0.2276
CMYK	0.11, 0.08, 0.00, 0.23
HSL	223°, 15%, 73%
HSV	223°, 11%, 77%
XYZ	44.7103, 46.7172, 59.4679
YIQ	181.9160, -8.3910, 3.3930

Conversions

Conversions Part 2

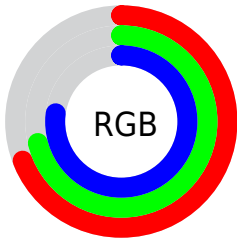
Format	Color
RYB	176, 181, 197
Decimal	11581125
CIELab	74.01, 0.89, -8.30
CIELCh	74, 8.343, 276.138
Yxy	46.7172, 0.2963, 0.3096
Android (android.graphics.Color)	4289771205 (0xFFB0B6C5)
YUV	181.9160, 7.4364, -5.1883
Hunter-Lab	68.3500, -2.8489, -3.7402

Details

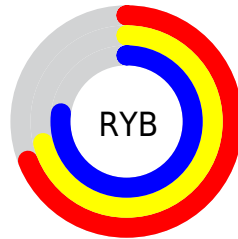
The Yxy color $46.7172, 0.2963, 0.3096$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $52.2576, 0.3292, 0.3477$, and the grayscale version is $46.6946, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.4606, 0.2993, 0.3129$, and $21.8946, 0.2914, 0.3042$ is the 20% darker color. If you saturate the color by 10%, you get $39.1104, 0.2796, 0.2890$, and if you desaturate by 10%, it is $55.2402, 0.3118, 0.3279$.

Distribution



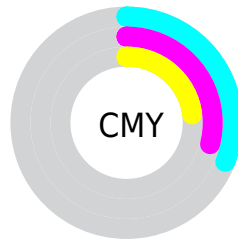
- Red (69%)
- Green (71%)
- Blue (77%)



- Red (69%)
- Yellow (71%)
- Blue (77%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7172, 0.2963, 0.3096 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 46.7172, 0.2963, 0.3096 by changing the saturation by 10% instead.

■ 46.7172, 0.2963,
0.3096

■ 46.7172, 0.2963,
0.3096

373.6846, 0.3045,
0.3193

■ 32.8121, 0.2943,
0.3072

■ 85.2913, 0.2993,
0.3131

■ 21.9826, 0.2916,
0.3041

110.7292, 0.3004,
0.3144

■ 13.8441, 0.2882,
0.3001

140.7801, 0.3013,
0.3155

■ 8.0123, 0.2833,
0.2944

175.8285, 0.3021,
0.3165

■ 4.1028, 0.2761,
0.2860

216.2588, 0.3029,
0.3173

■ 1.7312, 0.2643,
0.2724

262.4553, 0.3035,

■ 0.4438, 0.2270,

0.3180

0.2271

314.8024, 0.3040,
0.3187

0.0000, 0.0000,
0.0000

46.7172, 0.2963,
0.3096

46.7172, 0.2963,
0.3096

39.1104, 0.2796,
0.2890

55.2402, 0.3118,
0.3279

32.3825, 0.2620,
0.2663

64.7032, 0.3260,
0.3440

26.5025, 0.2437,
0.2414

75.1364, 0.3388,
0.3582

21.4349, 0.2253,
0.2151

86.5670, 0.3505,
0.3705

17.1419, 0.2076,
0.1880

95.1327, 0.3477,
0.3836

■ 13.5822, 0.1914,
0.1611

■ 96.8100, 0.3472,
0.3860

■ 10.7101, 0.1777,
0.1358

■ 8.4739, 0.1671,
0.1134

■ 6.8851, 0.1599,
0.0957

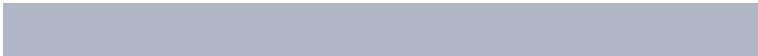
Harmonies

Analogous

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



46.7172, 0.2909, 0.3141



46.7172, 0.2963, 0.3096



46.7172, 0.3062, 0.3102

Triad

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



46.7172, 0.2963, 0.3096



46.7172, 0.3348, 0.3345



46.7172, 0.3072, 0.3431

Complementary

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



46.7172, 0.2963, 0.3096



52.2576, 0.3292, 0.3477

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.



46.7172, 0.3190, 0.3487



46.7172, 0.2963, 0.3096



46.7172, 0.3350, 0.3435

Square

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



46.7172, 0.2963, 0.3096



46.7172, 0.3285, 0.3244



46.7172, 0.3292, 0.3488



46.7172, 0.2971, 0.3335

Rectangle

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



46.7172, 0.2963, 0.3096



46.7172, 0.3140, 0.3133



46.7172, 0.3292, 0.3488



46.7172, 0.3111, 0.3455

Sweetspot

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



46.7192, 0.2963, 0.3096



95.1408, 0.3082, 0.3237



52.9004, 0.3009, 0.3370



20.0917, 0.3069, 0.3223



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.



46.7192, 0.2963, 0.3096



80.0575, 0.2921, 0.3046



44.8149, 0.2997, 0.3020



10.7728, 0.2983, 0.3120



4.6548, 0.1606, 0.0979



0.3470, 0.1725, 0.1410

Inverse Universe

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



46.3011, 0.3263, 0.3215



79.2106, 0.3300, 0.3196



54.3648, 0.3250, 0.3552



10.6859, 0.3245, 0.3224



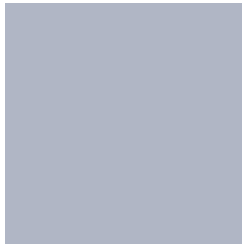
8.0099, 0.5790, 0.2963



0.3920, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 46.7172, 0.2963, 0.3096 looks on a white background.

Color Contrast Check

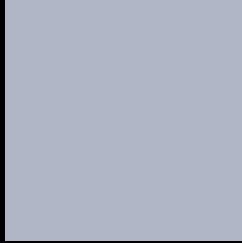
Large Text (above 18pt) WCAG AA × Fail

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 46.7172, 0.2963, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

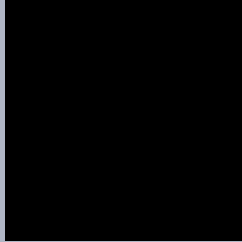
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

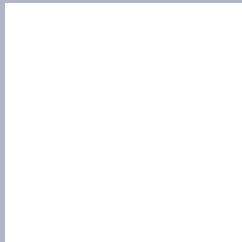
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7172, 0.2963, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 46.7172, 0.2963, 0.3096.

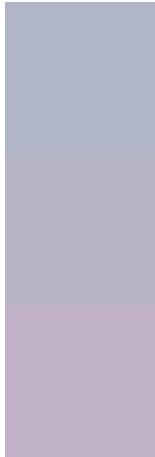


This preview shows how white text looks on a background with the Yxy color 46.7172, 0.2963, 0.3096.

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

46.7172, 0.2963, 0.3096

Protanopia

46.8570, 0.3011, 0.3098

Deuteranopia

46.7280, 0.3088, 0.3028



Tritanopia

46.7172, 0.2963, 0.3096

Trichromacy



Original Color

46.7172, 0.2963, 0.3096

Protanomaly

46.6170, 0.2994, 0.3097

Deuteranomaly

46.7565, 0.3037, 0.3050

Tritanomaly

46.7172, 0.2963, 0.3096

Monochromacy



Original Color

46.7172, 0.2963, 0.3096

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7471, 0.3071, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7172, 0.2963, 0.3096 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(176, 182, 197)` looks like.

```
.text, #text, p{  
    color:rgb(176, 182, 197)  
}
```

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(176, 182, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 182, 197) }
```

Border

The CSS property to change the border of an element to Yxy 46.7172, 0.2963, 0.3096 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(176, 182, 197) }
```

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

```
.border{ border-color:rgb(176, 182, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 182, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 182, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 182, 197);  
box-shadow:4px 4px 4px 4px rgb(176, 182,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7172, 0.2963, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 182, 197) }
```

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

```
.background{ background-color: rgb(176,  
182, 197) }
```

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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