

Converting Colors

$Yxy(46.5647, 0.2815, 0.3031)$

Have a look what the booklet for
Yxy(46.5647, 0.2815, 0.3031)
contains.

Yxy(46.4271, 0.2813, 0.3027)	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(46.4271, 0.2813, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	A3B8CC
RGB	163, 184, 204
RGB Percent	64%, 72%, 80%
CMY	0.3607, 0.2784, 0.2001
CMYK	0.20, 0.10, 0.00, 0.20
HSL	209°, 29%, 72%
HSV	209°, 20%, 80%
XYZ	43.1448, 46.4271, 63.8047
YIQ	180.0010, -18.9360, 1.7680

Conversions

Conversions Part 2

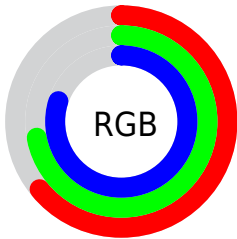
Format	Color
R _{YB}	163, 177, 204
Decimal	10729676
CIE _{Lab}	73.82, -2.90, -12.50
CIE _{LCh}	74, 12.829, 256.956
Yxy	46.4271, 0.2813, 0.3027
Android (android.graphics.Color)	4288919756 (0xFFA3B8CC)
YUV	180.0010, 11.8315, -14.9099
Hunter-Lab	68.1374, -6.2137, -7.8236

Details

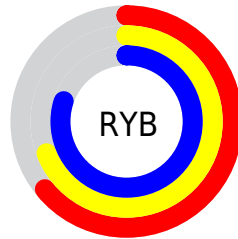
The Yxy color $46.4271, 0.2813, 0.3027$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $49.3488, 0.3475, 0.3539$, and the grayscale version is $45.5874, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4456, 0.2900, 0.3135$, and $21.8141, 0.2727, 0.2948$ is the 20% darker color. If you saturate the color by 10%, you get $40.4564, 0.2651, 0.2875$, and if you desaturate by 10%, it is $53.0398, 0.2972, 0.3165$.

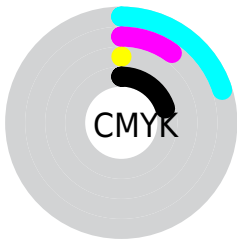
Distribution



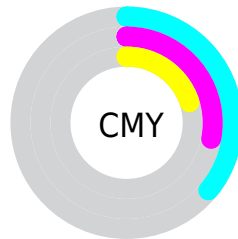
- Red (64%)
- Green (72%)
- Blue (80%)



- Red (64%)
- Yellow (69%)
- Blue (80%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (36%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4271, 0.2813, 0.3027 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 46.4271, 0.2813, 0.3027 by changing the saturation by 10% instead.

■ 46.4271, 0.2813,
0.3027

■ 46.4271, 0.2813,
0.3027

■ 372.5231, 0.2969,
0.3159

■ 32.5830, 0.2775,
0.2994

■ 84.8578, 0.2869,
0.3075

■ 21.8072, 0.2725,
0.2952

■ 110.2132, 0.2891,
0.3093

■ 13.7153, 0.2661,
0.2896

■ 140.1745, 0.2909,
0.3108

■ 7.9229, 0.2571,
0.2818

■ 175.1261, 0.2924,
0.3121

■ 4.0457, 0.2440,
0.2702

■ 215.4523, 0.2937,
0.3132

■ 1.6991, 0.2231,
0.2513

■ 261.5377, 0.2949,

■ 0.4231, 0.1550,

0.3142

0.1979

313.7664, 0.2960,
0.3151

0.0000, 0.0000,
0.0000

46.4271, 0.2813,
0.3027

46.4271, 0.2813,
0.3027

40.4564, 0.2651,
0.2875

53.0398, 0.2972,
0.3165

35.0993, 0.2489,
0.2710

60.3100, 0.3126,
0.3289

30.3338, 0.2333,
0.2533

68.2597, 0.3273,
0.3399

26.1337, 0.2185,
0.2347

76.9083, 0.3411,
0.3497

22.4705, 0.2052,
0.2157

84.3255, 0.3469,
0.3590

■ 19.3124, 0.1939,
0.1967

■ 90.1438, 0.3450,
0.3685

■ 16.6228, 0.1849,
0.1782

■ 96.2852, 0.3432,
0.3778

■ 14.3561, 0.1780,
0.1608

■ 97.1390, 0.3430,
0.3790

Harmonies

Analogous

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



46.4271, 0.2785, 0.3139



46.4271, 0.2813, 0.3027



46.4271, 0.2923, 0.2988

Triad

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



46.4271, 0.2813, 0.3027



46.4271, 0.3416, 0.3273



46.4271, 0.3157, 0.3575

Complementary

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



46.4271, 0.2813, 0.3027



49.3488, 0.3475, 0.3539

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.



46.4271, 0.3329, 0.3606



46.4271, 0.2813, 0.3027



46.4271, 0.3482, 0.3426

Square

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



46.4271, 0.2813, 0.3027



46.4271, 0.3271, 0.3128



46.4271, 0.3449, 0.3549



46.4271, 0.2980, 0.3460

Rectangle

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



46.4271, 0.2813, 0.3027



46.4271, 0.3030, 0.3005



46.4271, 0.3449, 0.3549



46.4271, 0.3217, 0.3595

Sweetspot

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



46.4290, 0.2813, 0.3027



92.5429, 0.3034, 0.3216



54.3790, 0.2967, 0.3568



19.6395, 0.3024, 0.3208



0.0000, 0.0000, 0.0000



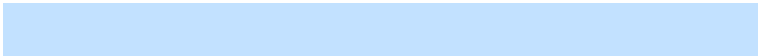
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4290, 0.2813, 0.3027



72.5920, 0.2745, 0.2964



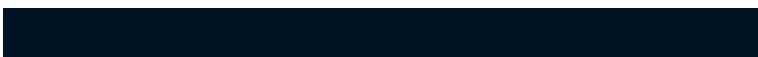
38.5916, 0.2796, 0.2750



11.7782, 0.2983, 0.3174



9.2243, 0.1787, 0.1632



0.6276, 0.1884, 0.1980

Inverse Universe

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



42.4971, 0.3326, 0.3030



65.1988, 0.3379, 0.2973



58.3358, 0.3429, 0.3778



11.3080, 0.3211, 0.3172



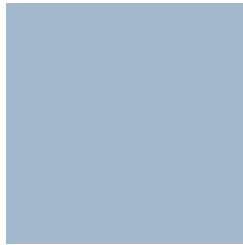
8.7342, 0.4891, 0.2468



0.4659, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 46.4271, 0.2813, 0.3027 looks on a white background.

Color Contrast Check

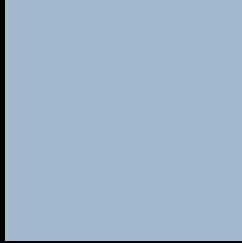
Large Text (above 18pt) WCAG AA × Fail

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 46.4271, 0.2813, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

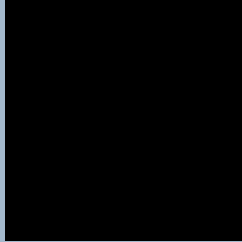
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

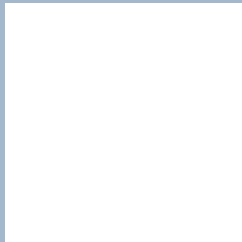
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4271, 0.2813, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 46.4271, 0.2813, 0.3027.



This preview shows how white text looks on a background with the Yxy color 46.4271, 0.2813, 0.3027.

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

46.4271, 0.2813, 0.3027

Protanopia

46.3245, 0.2949, 0.3021

Deuteranopia

46.0717, 0.2984, 0.2915



Tritanopia

46.5028, 0.2840, 0.3104

Trichromacy



Original Color

46.4271, 0.2813, 0.3027

Protanomaly

46.1963, 0.2902, 0.3018

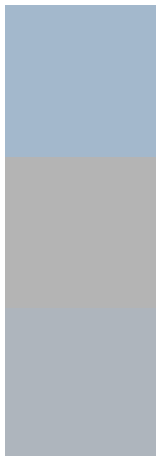
Deuteranomaly

46.1130, 0.2919, 0.2958

Tritanomaly

46.5964, 0.2827, 0.3078

Monochromacy



Original Color

46.4271, 0.2813, 0.3027

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7205, 0.3006, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4271, 0.2813, 0.3027 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(163, 184, 204)` looks like.

```
.text, #text, p{  
    color:rgb(163, 184, 204)  
}
```

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(163, 184, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 184, 204) }
```

Border

The CSS property to change the border of an element to Yxy 46.4271, 0.2813, 0.3027 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(163, 184, 204) }
```

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

```
.border{ border-color:rgb(163, 184, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 184, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 184, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 184, 204);  
box-shadow:4px 4px 4px 4px rgb(163, 184,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4271, 0.2813, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 184, 204) }
```

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

```
.background{ background-color: rgb(163,  
184, 204) }
```

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