

Converting Colors

$Yxy(46.3003, 0.2730, 0.2888)$

Have a look what the booklet for
Yxy(46.3003, 0.2730, 0.2888)
contains.

Yxy(46.2991, 0.2730, 0.2888)	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(46.2991, 0.2730, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	A1B7D6
RGB	161, 183, 214
RGB Percent	63%, 72%, 84%
CMY	0.3687, 0.2823, 0.1608
CMYK	0.25, 0.14, 0.00, 0.16
HSL	215°, 39%, 74%
HSV	215°, 25%, 84%
XYZ	43.7661, 46.2991, 70.2502
YIQ	179.9560, -23.0630, 4.9770

Conversions

Conversions Part 2

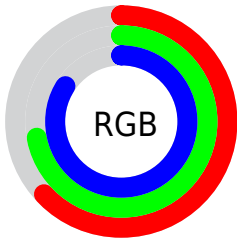
Format	Color
RYB	161, 177, 214
Decimal	10598358
CIELab	73.74, -0.70, -18.10
CIELCh	74, 18.110, 267.773
Yxy	46.2991, 0.2730, 0.2888
Android (android.graphics.Color)	4288788438 (0xFFA1B7D6)
YUV	179.9560, 16.7837, -16.6244
Hunter-Lab	68.0434, -4.2633, -13.5825

Details

The Yxy color $46.2991, 0.2730, 0.2888$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $54.5582, 0.3557, 0.3661$, and the grayscale version is $45.5339, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.7047, 0.2894, 0.3124$, and $21.6566, 0.2619, 0.2777$ is the 20% darker color. If you saturate the color by 10%, you get $39.3312, 0.2560, 0.2695$, and if you desaturate by 10%, it is $54.1099, 0.2896, 0.3063$.

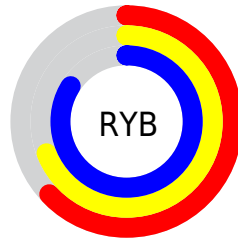
Distribution



Red (63%)

Green (72%)

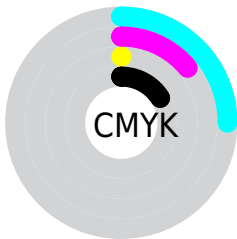
Blue (84%)



Red (63%)

Yellow (69%)

Blue (84%)

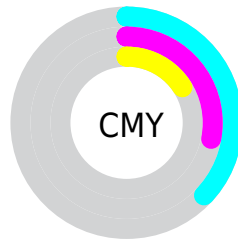


Cyan (25%)

Magenta (14%)

Yellow (0%)

Black (16%)



Cyan (37%)

Magenta (28%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2991, 0.2730, 0.2888 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 46.2991, 0.2730, 0.2888 by changing the saturation by 10% instead.

■ 46.2991, 0.2730,
0.2888

■ 46.2991, 0.2730,
0.2888

372.0098, 0.2927,
0.3088

■ 32.4819, 0.2682,
0.2839

■ 84.6664, 0.2801,
0.2960

■ 21.7299, 0.2620,
0.2776

■ 109.9854, 0.2828,
0.2987

■ 13.6585, 0.2539,
0.2694

139.9071, 0.2850,
0.3010

■ 7.8836, 0.2429,
0.2581

174.8158, 0.2870,
0.3030

■ 4.0205, 0.2269,
0.2416

215.0961, 0.2887,
0.3047

■ 1.6851, 0.2019,
0.2159

261.1323, 0.2902,

■ 0.4140, 0.1384,

0.3062

0.1523

313.3087, 0.2915,
0.3076

0.0000, 0.0000,
0.0000

46.2991, 0.2730,
0.2888

46.2991, 0.2730,
0.2888

39.3312, 0.2560,
0.2695

54.1099, 0.2896,
0.3063

33.1694, 0.2389,
0.2487

62.7875, 0.3055,
0.3221

27.7821, 0.2223,
0.2267

72.3616, 0.3204,
0.3361

23.1331, 0.2067,
0.2039

82.8588, 0.3343,
0.3485

19.1827, 0.1930,
0.1812

91.7583, 0.3384,
0.3602

■ 15.8862, 0.1816,
0.1593

■ 97.6353, 0.3370,
0.3691

■ 13.1915, 0.1729,
0.1390

■ 11.9843, 0.1692,
0.1291

Harmonies

Analogous

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



46.2991, 0.2649, 0.3006



46.2991, 0.2730, 0.2888



46.2991, 0.2916, 0.2876

Triad

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



46.2991, 0.2730, 0.2888



46.2991, 0.3586, 0.3340



46.2991, 0.3074, 0.3651

Complementary

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



46.2991, 0.2730, 0.2888



54.5582, 0.3557, 0.3661

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.



46.2991, 0.3327, 0.3740



46.2991, 0.2730, 0.2888



46.2991, 0.3630, 0.3546

Square

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



46.2991, 0.2730, 0.2888



46.2991, 0.3413, 0.3131



46.2991, 0.3532, 0.3696



46.2991, 0.2841, 0.3452

Rectangle

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



46.2991, 0.2730, 0.2888



46.2991, 0.3079, 0.2925



46.2991, 0.3532, 0.3696



46.2991, 0.3159, 0.3695

Sweetspot

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



46.3010, 0.2730, 0.2888



90.2926, 0.3019, 0.3186



59.4722, 0.2898, 0.3572



19.1538, 0.3009, 0.3177



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.



46.3010, 0.2730, 0.2888



62.9763, 0.2636, 0.2784



38.3806, 0.2740, 0.2598



12.8478, 0.2982, 0.3150



7.4382, 0.1700, 0.1319



0.6099, 0.1795, 0.1661

Inverse Universe

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



43.1991, 0.3433, 0.3026



57.9673, 0.3524, 0.2963



64.3087, 0.3464, 0.3912



12.5055, 0.3227, 0.3194



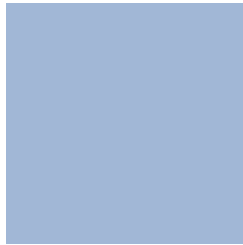
9.0957, 0.5301, 0.2694



0.5649, 0.4854, 0.2448

Previews

White Background



This preview shows how the Yxy color 46.2991, 0.2730, 0.2888 looks on a white background.

Color Contrast Check

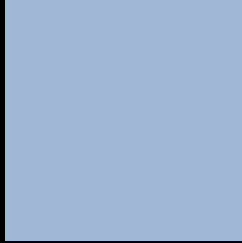
Large Text (above 18pt) WCAG AA × Fail

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 46.2991, 0.2730, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

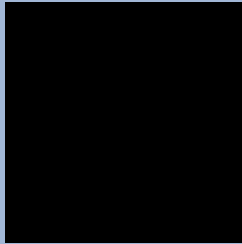
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

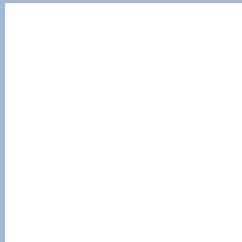
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2991, 0.2730, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 46.2991, 0.2730, 0.2888.



This preview shows how white text looks on a background with the Yxy color 46.2991, 0.2730, 0.2888.

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

46.2991, 0.2730, 0.2888

Protanopia

46.1076, 0.2845, 0.2871

Deuteranopia

46.2957, 0.2877, 0.2818



Tritanopia

46.1372, 0.2804, 0.3089

Trichromacy



Original Color

46.2991, 0.2730, 0.2888

Protanomaly

45.9927, 0.2800, 0.2868

Deuteranomaly

46.1452, 0.2816, 0.2835

Tritanomaly

46.0597, 0.2776, 0.3012

Monochromacy



Original Color

46.2991, 0.2730, 0.2888

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7378, 0.2976, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2991, 0.2730, 0.2888 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(161, 183, 214)` looks like.

```
.text, #text, p{  
    color:rgb(161, 183, 214)  
}
```

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(161, 183, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 183, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.2991, 0.2730, 0.2888 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(161, 183, 214) }
```

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

```
.border{ border-color:rgb(161, 183, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 183, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 183, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 183, 214);  
box-shadow:4px 4px 4px 4px rgb(161, 183,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2991, 0.2730, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 183, 214) }
```

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

```
.background{ background-color: rgb(161,  
183, 214) }
```

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