

Converting Colors

$Y_{xy}(46.7742, 0.2841, 0.3130)$

Have a look what the booklet for
Yxy(46.7742, 0.2841, 0.3130)
contains.

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Color

Yxy(46.7721, 0.2841, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	A1BAC6
RGB	161, 186, 198
RGB Percent	63%, 73%, 78%
CMY	0.3685, 0.2706, 0.2236
CMYK	0.19, 0.06, 0.00, 0.22
HSL	199°, 24%, 70%
HSV	199°, 19%, 78%
XYZ	42.4535, 46.7721, 60.2060
YIQ	179.8930, -18.7520, -1.5680

Conversions

Conversions Part 2

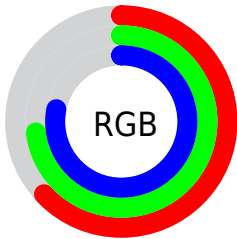
Format	Color
R_{YB}	161, 176, 198
Decimal	10599110
CIE Lab	74.04, -5.92, -8.91
CIE LCh	74, 10.693, 236.412
Yxy	46.7721, 0.2841, 0.3130
Android (android.graphics.Color)	4288789190 (0xFFA1BAC6)
YUV	179.8930, 8.9268, -16.5692
Hunter-Lab	68.3901, -8.8779, -4.3218

Details

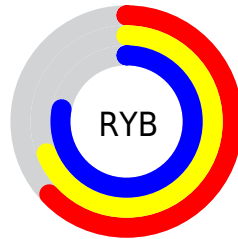
The Yxy color **46.7721, 0.2841, 0.3130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4744, 0.3460, 0.3445**, and the grayscale version is **45.5439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3232, 0.2889, 0.3155**, and **22.0399, 0.2764, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **42.2309, 0.2689, 0.3032**, and if you desaturate by 10%, it is **51.7645, 0.2995, 0.3219**.

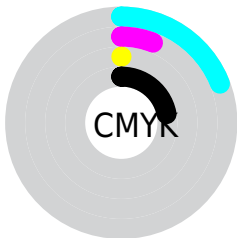
Distribution



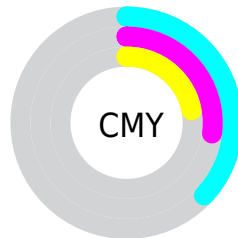
- Red (63%)
- Green (73%)
- Blue (78%)



- Red (63%)
- Yellow (69%)
- Blue (78%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (37%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7721, 0.2841, 0.3130 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 46.7721, 0.2841, 0.3130 by changing the saturation by 10% instead.

■ 46.7721, 0.2841,
0.3130

■ 46.7721, 0.2841,
0.3130

373.9041, 0.2983,
0.3211

■ 32.8555, 0.2806,
0.3109

■ 85.3733, 0.2892,
0.3160

■ 22.0158, 0.2761,
0.3083

■ 110.8268, 0.2912,
0.3171

■ 13.8685, 0.2702,
0.3047

140.8947, 0.2928,
0.3180

■ 8.0293, 0.2621,
0.2997

175.9614, 0.2942,
0.3188

■ 4.1137, 0.2501,
0.2921

216.4112, 0.2954,
0.3195

■ 1.7374, 0.2308,
0.2794

262.6287, 0.2965,

■ 0.4477, 0.1522,

0.3201

0.2424

314.9982, 0.2974,
0.3206

0.0000, 0.0000,
0.0000

46.7721, 0.2841,
0.3130

46.7721, 0.2841,
0.3130

42.2309, 0.2689,
0.3032

51.7645, 0.2995,
0.3219

38.1183, 0.2542,
0.2926

57.2182, 0.3147,
0.3300

34.4181, 0.2403,
0.2814

63.1501, 0.3297,
0.3373

31.1105, 0.2277,
0.2695

69.5743, 0.3442,
0.3437

28.1740, 0.2166,
0.2573

75.5381, 0.3543,
0.3497

■ 25.5840, 0.2074,
0.2449

■ 78.9367, 0.3529,
0.3561

■ 23.3121, 0.2002,
0.2326

■ 82.4658, 0.3515,
0.3624

■ 21.3133, 0.1948,
0.2204

■ 86.1269, 0.3502,
0.3686

■ 21.0581, 0.1941,
0.2188

■ 89.9213, 0.3488,
0.3747

Harmonies

Analogous

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



46.7721, 0.2869, 0.3253



46.7721, 0.2841, 0.3130



46.7721, 0.2887, 0.3054

Triad

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



46.7721, 0.2841, 0.3130



46.7721, 0.3290, 0.3191



46.7721, 0.3253, 0.3552

Complementary

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



46.7721, 0.2841, 0.3130



44.4744, 0.3460, 0.3445

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.



46.7721, 0.3370, 0.3528



46.7721, 0.2841, 0.3130



46.7721, 0.3392, 0.3317

Square

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



46.7721, 0.2841, 0.3130



46.7721, 0.3145, 0.3091



46.7721, 0.3422, 0.3441



46.7721, 0.3105, 0.3502

Rectangle

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



46.7721, 0.2841, 0.3130



46.7721, 0.2955, 0.3038



46.7721, 0.3422, 0.3441



46.7721, 0.3298, 0.3552

Sweetspot

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



46.7740, 0.2841, 0.3130



94.0865, 0.3034, 0.3241



50.9687, 0.3021, 0.3631



20.0046, 0.3024, 0.3236



0.0000, 0.0000, 0.0000



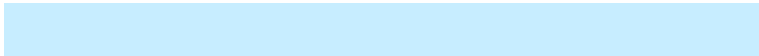
21.4041, 0.3127, 0.3290

Same Dimension

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



46.7740, 0.2841, 0.3130



79.8007, 0.2785, 0.3095



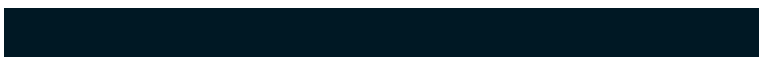
39.5928, 0.2827, 0.2880



11.4650, 0.2984, 0.3213



13.8580, 0.1946, 0.2204



0.7837, 0.2016, 0.2457

Inverse Universe

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



41.0513, 0.3254, 0.2976



68.1635, 0.3284, 0.2911



51.9315, 0.3419, 0.3669



10.7558, 0.3186, 0.3135



8.9390, 0.4228, 0.2103



0.4361, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 46.7721, 0.2841, 0.3130 looks on a white background.

Color Contrast Check

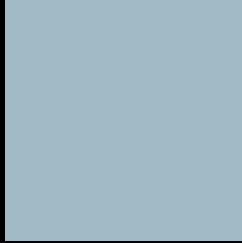
Large Text (above 18pt) WCAG AA × Fail

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 46.7721, 0.2841, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

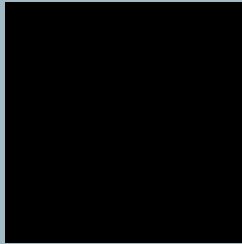
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

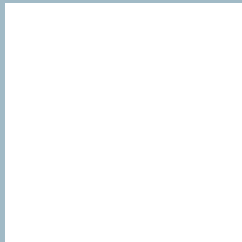
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7721, 0.2841, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 46.7721, 0.2841, 0.3130.

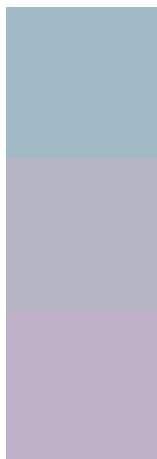


This preview shows how white text looks on a background with the Yxy color 46.7721, 0.2841, 0.3130.

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

46.7721, 0.2841, 0.3130

Protanopia

46.8116, 0.3018, 0.3110

Deuteranopia

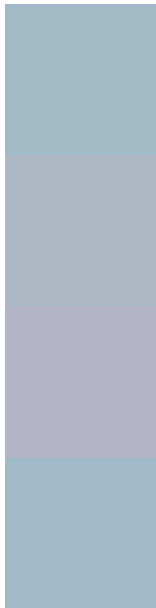
46.6908, 0.3064, 0.3003



Tritanopia

46.8650, 0.2827, 0.3104

Trichromacy



Original Color

46.7721, 0.2841, 0.3130

Protanomaly

46.8512, 0.2954, 0.3121

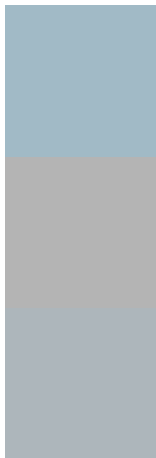
Deuteranomaly

46.4693, 0.2980, 0.3047

Tritanomaly

46.8184, 0.2834, 0.3117

Monochromacy



Original Color

46.7721, 0.2841, 0.3130

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9280, 0.3013, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7721, 0.2841, 0.3130 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, 186, 198)` looks like.

```
.text, #text, p{  
    color:rgb(161, 186, 198)  
}
```

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, 186, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 186, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.7721, 0.2841, 0.3130 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, 186, 198) }
```

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

```
.border{ border-color:rgb(161, 186, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 186, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 186, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 186, 198);  
box-shadow:4px 4px 4px 4px rgb(161, 186,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7721, 0.2841, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 186, 198) }
```

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

```
.background{ background-color: rgb(161,  
186, 198) }
```

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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