

Converting Colors

$Y_{xy}(46.5708, 0.2813, 0.2986)$

Have a look what the booklet for
Yxy(46.5708, 0.2813, 0.2986)
contains.

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Color

Yxy(46.4790, 0.2814, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	A6B7CF
RGB	166, 183, 207
RGB Percent	65%, 72%, 81%
CMY	0.3490, 0.2823, 0.1883
CMYK	0.20, 0.12, 0.00, 0.19
HSL	215°, 30%, 73%
HSV	215°, 20%, 81%
XYZ	43.9194, 46.4790, 65.6762
YIQ	180.6530, -17.8360, 3.8600

Conversions

Conversions Part 2

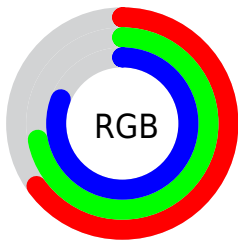
Format	Color
RYB	166, 178, 207
Decimal	10926031
CIELab	73.86, -0.75, -14.06
CIELCh	74, 14.081, 266.930
Yxy	46.4790, 0.2814, 0.2978
Android (android.graphics.Color)	4289116111 (0xFFA6B7CF)
YUV	180.6530, 12.9891, -12.8507
Hunter-Lab	68.1755, -4.3156, -9.3936

Details

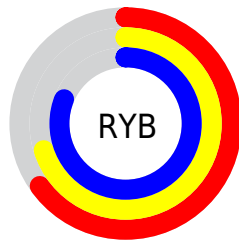
The Yxy color **46.4790, 0.2814, 0.2978** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.8313, 0.3460, 0.3583**, and the grayscale version is **45.9476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3252, 0.2918, 0.3126**, and **21.8426, 0.2728, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **39.6389, 0.2646, 0.2794**, and if you desaturate by 10%, it is **54.1126, 0.2976, 0.3144**.

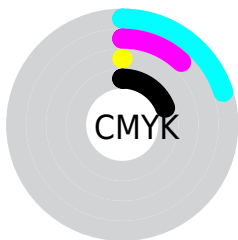
Distribution



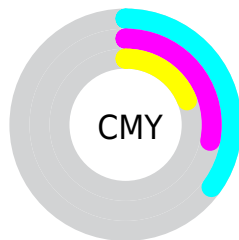
- Red (65%)
- Green (72%)
- Blue (81%)



- Red (65%)
- Yellow (70%)
- Blue (81%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4790, 0.2814, 0.2978 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 46.4790, 0.2814, 0.2978 by changing the saturation by 10% instead.

■ 46.4790, 0.2814,
0.2978

■ 46.4790, 0.2814,
0.2978

■ 372.7311, 0.2969,
0.3133

■ 32.6240, 0.2776,
0.2940

■ 84.9354, 0.2870,
0.3034

■ 21.8385, 0.2727,
0.2890

■ 110.3056, 0.2891,
0.3055

■ 13.7383, 0.2662,
0.2825

■ 140.2829, 0.2909,
0.3073

■ 7.9389, 0.2573,
0.2735

■ 175.2518, 0.2925,
0.3089

■ 4.0559, 0.2442,
0.2603

■ 215.5967, 0.2938,
0.3102

■ 1.7049, 0.2234,
0.2392

■ 261.7019, 0.2950,

■ 0.4268, 0.1650,

0.3114

0.1818

313.9519, 0.2960,
0.3124

0.0000, 0.0000,
0.0000

46.4790, 0.2814,
0.2978

46.4790, 0.2814,
0.2978

39.6389, 0.2646,
0.2794

54.1126, 0.2976,
0.3144

33.5587, 0.2475,
0.2594

62.5604, 0.3130,
0.3293

28.2104, 0.2306,
0.2379

71.8495, 0.3274,
0.3424

23.5621, 0.2145,
0.2155

82.0037, 0.3408,
0.3540

19.5788, 0.1998,
0.1927

90.1936, 0.3432,
0.3653

■ 16.2218, 0.1871,
0.1703

■ 97.2841, 0.3412,
0.3761

■ 13.4472, 0.1770,
0.1491

■ 11.1852, 0.1694,
0.1298

■ 11.1441, 0.1693,
0.1294

Harmonies

Analogous

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



46.4790, 0.2752, 0.3075



46.4790, 0.2814, 0.2978



46.4790, 0.2959, 0.2964

Triad

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



46.4790, 0.2814, 0.2978



46.4790, 0.3480, 0.3327



46.4790, 0.3093, 0.3570

Complementary

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



46.4790, 0.2814, 0.2978



52.8313, 0.3460, 0.3583

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.



46.4790, 0.3289, 0.3637



46.4790, 0.2814, 0.2978



46.4790, 0.3517, 0.3488

Square

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



46.4790, 0.2814, 0.2978



46.4790, 0.3345, 0.3162



46.4790, 0.3446, 0.3604



46.4790, 0.2910, 0.3420

Rectangle

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



46.4790, 0.2814, 0.2978



46.4790, 0.3085, 0.3001



46.4790, 0.3446, 0.3604



46.4790, 0.3159, 0.3603

Sweetspot

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



46.4809, 0.2814, 0.2978



91.6346, 0.3035, 0.3202



56.4376, 0.2942, 0.3509



19.4250, 0.3024, 0.3192



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.



46.4809, 0.2814, 0.2978



69.4299, 0.2739, 0.2898



40.2566, 0.2828, 0.2753



12.2122, 0.2982, 0.3150



7.1997, 0.1700, 0.1319



0.5575, 0.1801, 0.1685

Inverse Universe

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



43.9537, 0.3359, 0.3082



64.8796, 0.3425, 0.3032



60.1467, 0.3395, 0.3784



11.8885, 0.3226, 0.3194



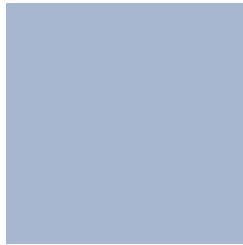
8.7981, 0.5300, 0.2693



0.5076, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 46.4790, 0.2814, 0.2978 looks on a white background.

Color Contrast Check

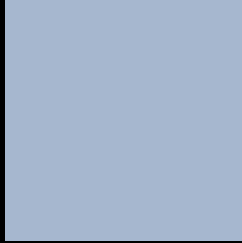
Large Text (above 18pt) WCAG AA × Fail

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 46.4790, 0.2814, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

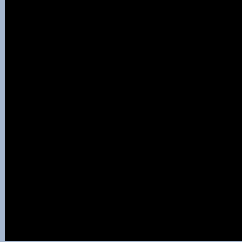
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

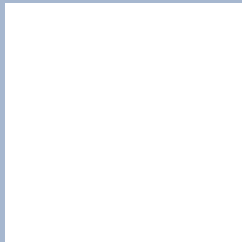
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4790, 0.2814, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 46.4790, 0.2814, 0.2978.



This preview shows how white text looks on a background with the Yxy color 46.4790, 0.2814, 0.2978.

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

46.4790, 0.2814, 0.2978

Protanopia

46.3974, 0.2911, 0.2971

Deuteranopia

46.4375, 0.2961, 0.2903



Tritanopia

46.2970, 0.2855, 0.3091

Trichromacy



Original Color

46.4790, 0.2814, 0.2978

Protanomaly

46.3882, 0.2873, 0.2969

Deuteranomaly

46.3780, 0.2905, 0.2923

Tritanomaly

46.5446, 0.2842, 0.3053

Monochromacy



Original Color

46.4790, 0.2814, 0.2978

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4037, 0.3015, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4790, 0.2814, 0.2978 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, 183, 207)` looks like.

```
.text, #text, p{  
    color:rgb(166, 183, 207)  
}
```

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, 183, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 183, 207) }
```

Border

The CSS property to change the border of an element to Yxy 46.4790, 0.2814, 0.2978 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, 183, 207) }
```

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

```
.border{ border-color:rgb(166, 183, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 183, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 183, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 183, 207);  
box-shadow:4px 4px 4px 4px rgb(166, 183,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4790, 0.2814, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 183, 207) }
```

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

```
.background{ background-color: rgb(166,  
183, 207) }
```

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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