

Converting Colors

$Y_{xy}(50.7079, 0.2790, 0.2863)$

Have a look what the booklet for
Yxy(50.7079, 0.2790, 0.2863)
contains.

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Color

Yxy(50.6413, 0.2792, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	B1BCDF
RGB	177, 188, 223
RGB Percent	69%, 74%, 87%
CMY	0.3058, 0.2627, 0.1254
CMYK	0.21, 0.16, 0.00, 0.13
HSL	226°, 42%, 78%
HSV	226°, 21%, 87%
XYZ	49.4372, 50.6413, 76.9889
YIQ	188.7010, -17.7910, 8.5530

Conversions

Conversions Part 2

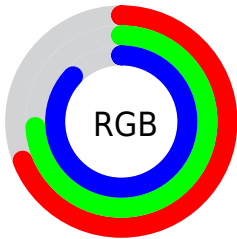
Format	Color
RYB	177, 186, 223
Decimal	11648223
CIELab	76.46, 3.57, -18.76
CIELCh	76, 19.098, 280.766
Yxy	50.6413, 0.2792, 0.2860
Android (android.graphics.Color)	4289838303 (0xFFB1BCDF)
YUV	188.7010, 16.9094, -10.2618
Hunter-Lab	71.1627, -0.5295, -14.3303

Details

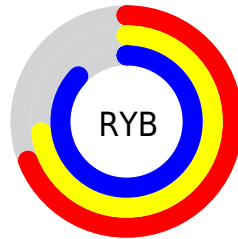
The Yxy color **50.6413, 0.2792, 0.2860** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.9656, 0.3460, 0.3686**, and the grayscale version is **50.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2450, 0.2993, 0.3180**, and **24.4402, 0.2702, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **41.4035, 0.2611, 0.2614**, and if you desaturate by 10%, it is **61.1643, 0.2962, 0.3082**.

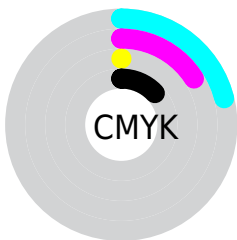
Distribution



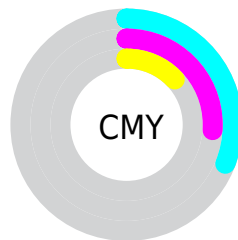
- Red (69%)
- Green (74%)
- Blue (87%)



- Red (69%)
- Yellow (73%)
- Blue (87%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6413, 0.2792, 0.2860 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 50.6413, 0.2792, 0.2860 by changing the saturation by 10% instead.

■ 50.6413, 0.2792,
0.2860

■ 50.6413, 0.2792,
0.2860

■ 389.1685, 0.2956,
0.3068

■ 35.9232, 0.2752,
0.2810

■ 91.1243, 0.2851,
0.2934

■ 24.3749, 0.2702,
0.2747

■ 117.6581, 0.2873,
0.2963

■ 15.6120, 0.2636,
0.2666

■ 148.8992, 0.2892,
0.2987

■ 9.2500, 0.2546,
0.2556

■ 185.2320, 0.2909,
0.3008

■ 4.9046, 0.2418,
0.2400

■ 227.0409, 0.2923,
0.3026

■ 2.1914, 0.2220,
0.2166

■ 274.7104, 0.2935,

■ 0.7153, 0.1885,

0.3042

0.1758

328.6248, 0.2946,
0.3056

0.0000, 0.0000,
0.0000

50.6413, 0.2792,
0.2860

50.6413, 0.2792,
0.2860

41.4035, 0.2611,
0.2614

61.1643, 0.2962,
0.3082

33.3944, 0.2422,
0.2347

73.0137, 0.3118,
0.3279

26.5626, 0.2231,
0.2064

86.2364, 0.3260,
0.3451

20.8502, 0.2048,
0.1775

98.1084, 0.3315,
0.3601

16.1944, 0.1881,
0.1493

■ 12.5255, 0.1740,
0.1234

■ 9.7641, 0.1635,
0.1013

■ 7.8981, 0.1569,
0.0849

Harmonies

Analogous

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



50.6413, 0.2659, 0.2934



50.6413, 0.2792, 0.2860



50.6413, 0.3017, 0.2894

Triad

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



50.6413, 0.2792, 0.2860



50.6413, 0.3634, 0.3436



50.6413, 0.2963, 0.3581

Complementary

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



50.6413, 0.2792, 0.2860



65.9656, 0.3460, 0.3686

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.



50.6413, 0.3221, 0.3728



50.6413, 0.2792, 0.2860



50.6413, 0.3615, 0.3629

Square

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



50.6413, 0.2792, 0.2860



50.6413, 0.3510, 0.3217



50.6413, 0.3461, 0.3741



50.6413, 0.2754, 0.3349

Rectangle

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



50.6413, 0.2792, 0.2860



50.6413, 0.3193, 0.2971



50.6413, 0.3461, 0.3741



50.6413, 0.3046, 0.3643

Sweetspot

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



50.6434, 0.2792, 0.2860



90.0060, 0.3035, 0.3175



66.8596, 0.2888, 0.3427



19.0408, 0.3025, 0.3162



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.



50.6434, 0.2792, 0.2860



62.7001, 0.2711, 0.2751



47.5352, 0.2872, 0.2735



13.7721, 0.2981, 0.3106



4.7899, 0.1576, 0.0871



0.4698, 0.1657, 0.1163

Inverse Universe

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



50.7708, 0.3442, 0.3164



63.1101, 0.3532, 0.3134



69.8815, 0.3350, 0.3817



13.7539, 0.3255, 0.3234



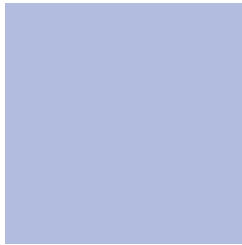
9.3916, 0.5956, 0.3055



0.6649, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 50.6413, 0.2792, 0.2860 looks on a white background.

Color Contrast Check

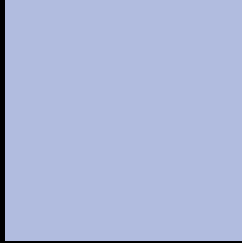
Large Text (above 18pt) WCAG AA × Fail

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 50.6413, 0.2792, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

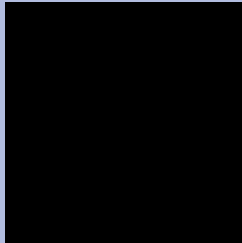
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6413, 0.2792, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 50.6413, 0.2792, 0.2860.

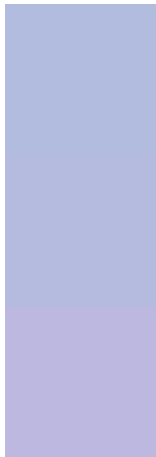


This preview shows how white text looks on a background with the Yxy color 50.6413, 0.2792, 0.2860.

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

50.6413, 0.2792, 0.2860

Protanopia

50.6383, 0.2827, 0.2863

Deuteranopia

50.4816, 0.2872, 0.2811



Tritanopia

50.7165, 0.2886, 0.3099

Trichromacy



Original Color

50.6413, 0.2792, 0.2860

Protanomaly

50.5179, 0.2820, 0.2862

Deuteranomaly

50.3940, 0.2842, 0.2819

Tritanomaly

50.6943, 0.2852, 0.3014

Monochromacy



Original Color

50.6413, 0.2792, 0.2860

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.9265, 0.3006, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6413, 0.2792, 0.2860 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(177, 188, 223)` looks like.

```
.text, #text, p{  
    color:rgb(177, 188, 223)  
}
```

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(177, 188, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 188, 223) }
```

Border

The CSS property to change the border of an element to Yxy 50.6413, 0.2792, 0.2860 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(177, 188, 223) }
```

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

```
.border{ border-color:rgb(177, 188, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 188, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 188, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 188, 223);  
box-shadow:4px 4px 4px 4px rgb(177, 188,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6413, 0.2792, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 188, 223) }
```

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

```
.background{ background-color: rgb(177,  
188, 223) }
```

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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