

Converting Colors

$Y_{xy}(42.7080, 0.2658, 0.2830)$

Have a look what the booklet for
Yxy(42.7080, 0.2658, 0.2830)
contains.

Yxy(42.6818, 0.2656, 0.2822)	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(42.6818, 0.2656, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	96B1D4
RGB	150, 177, 212
RGB Percent	59%, 69%, 83%
CMY	0.4120, 0.3058, 0.1687
CMYK	0.29, 0.16, 0.00, 0.17
HSL	214°, 42%, 71%
HSV	214°, 29%, 83%
XYZ	40.1711, 42.6818, 68.3937
YIQ	172.9170, -27.3270, 5.1610

Conversions

Conversions Part 2

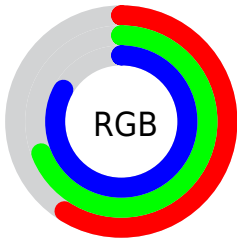
Format	Color
R_{YB}	150, 169, 212
Decimal	9875924
CIE Lab	71.34, -1.23, -20.70
CIE LCh	71, 20.736, 266.597
Yxy	42.6818, 0.2656, 0.2822
Android (android.graphics.Color)	4288066004 (0xFF96B1D4)
YUV	172.9170, 19.2679, -20.0982
Hunter-Lab	65.3313, -4.5732, -16.3373

Details

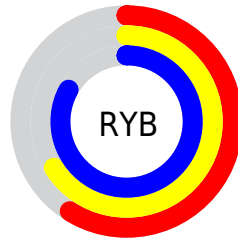
The Yxy color **42.6818, 0.2656, 0.2822** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.8427, 0.3652, 0.3716**, and the grayscale version is **41.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4770, 0.2818, 0.3056**, and **19.6429, 0.2523, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **36.3386, 0.2487, 0.2630**, and if you desaturate by 10%, it is **49.8049, 0.2823, 0.2998**.

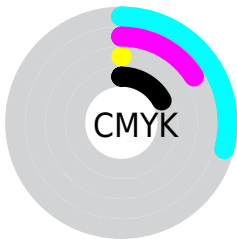
Distribution



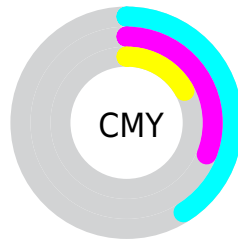
- Red (59%)
- Green (69%)
- Blue (83%)



- Red (59%)
- Yellow (66%)
- Blue (83%)



- Cyan (29%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (41%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6818, 0.2656, 0.2822 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 42.6818, 0.2656, 0.2822 by changing the saturation by 10% instead.

■ 42.6818, 0.2656,
0.2822

■ 42.6818, 0.2656,
0.2822

■ 357.3015, 0.2892,
0.3057

■ 29.6355, 0.2598,
0.2763

■ 79.2305, 0.2741,
0.2907

■ 19.5621, 0.2523,
0.2688

■ 103.5016, 0.2774,
0.2939

■ 12.0771, 0.2424,
0.2589

■ 132.2833, 0.2801,
0.2967

■ 6.7962, 0.2289,
0.2452

■ 165.9597, 0.2824,
0.2990

■ 3.3350, 0.2091,
0.2251

■ 204.9153, 0.2844,
0.3010

■ 1.3090, 0.1783,
0.1936

■ 249.5346, 0.2862,

■ 0.1482, 0.0548,

0.3028

0.0733

300.2019, 0.2878,
0.3043

0.0000, 0.0000,
0.0000

42.6818, 0.2656,
0.2822

42.6818, 0.2656,
0.2822

36.3386, 0.2487,
0.2630

49.8049, 0.2823,
0.2998

30.7401, 0.2320,
0.2424

57.7312, 0.2984,
0.3158

25.8556, 0.2161,
0.2208

66.4890, 0.3138,
0.3300

21.6497, 0.2016,
0.1988

76.1037, 0.3283,
0.3426

18.0832, 0.1891,
0.1770

86.4251, 0.3411,
0.3537

■ 15.1114, 0.1791,
0.1563

■ 93.5614, 0.3392,
0.3652

■ 12.6676, 0.1716,
0.1371

■ 97.5324, 0.3382,
0.3711

■ 12.5050, 0.1711,
0.1357

Harmonies

Analogous

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



42.6818, 0.2567, 0.2962



42.6818, 0.2656, 0.2822



42.6818, 0.2868, 0.2805

Triad

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



42.6818, 0.2656, 0.2822



42.6818, 0.3663, 0.3336



42.6818, 0.3074, 0.3725

Complementary

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



42.6818, 0.2656, 0.2822



50.8427, 0.3652, 0.3716

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.



42.6818, 0.3371, 0.3823



42.6818, 0.2656, 0.2822



42.6818, 0.3720, 0.3579

Square

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



42.6818, 0.2656, 0.2822



42.6818, 0.3453, 0.3094



42.6818, 0.3610, 0.3761



42.6818, 0.2800, 0.3491

Rectangle

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



42.6818, 0.2656, 0.2822



42.6818, 0.3057, 0.2859



42.6818, 0.3610, 0.3761



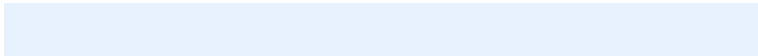
42.6818, 0.3174, 0.3775

Sweetspot

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



42.6835, 0.2656, 0.2822



87.9311, 0.2987, 0.3160



57.0166, 0.2873, 0.3660



18.4244, 0.2964, 0.3138



0.0000, 0.0000, 0.0000



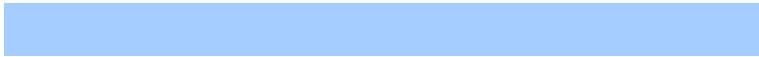
21.4041, 0.3127, 0.3290

Same Dimension

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



42.6835, 0.2656, 0.2822



58.8302, 0.2553, 0.2707



33.3177, 0.2640, 0.2449



12.8920, 0.2982, 0.3155



7.9133, 0.1718, 0.1383



0.6404, 0.1811, 0.1721

Inverse Universe

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



38.9591, 0.3493, 0.2959



52.8360, 0.3597, 0.2888



62.8133, 0.3541, 0.4023



12.5100, 0.3223, 0.3189



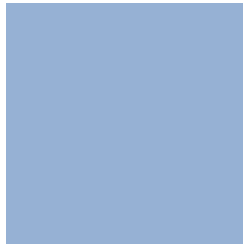
9.1437, 0.5213, 0.2645



0.5680, 0.4781, 0.2408

Previews

White Background



This preview shows how the Yxy color 42.6818, 0.2656, 0.2822 looks on a white background.

Color Contrast Check

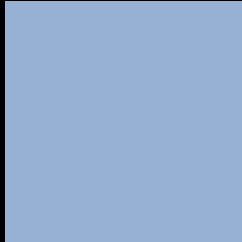
Large Text (above 18pt) WCAG AA × Fail

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 42.6818, 0.2656, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

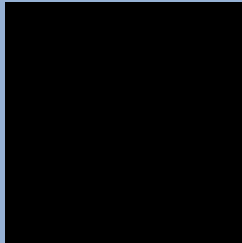
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

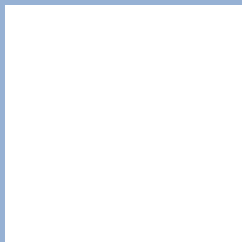
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6818, 0.2656, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 42.6818, 0.2656, 0.2822.



This preview shows how white text looks on a background with the Yxy color 42.6818, 0.2656, 0.2822.

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

42.6818, 0.2656, 0.2822

Protanopia

42.7061, 0.2799, 0.2820

Deuteranopia

42.7006, 0.2809, 0.2752



Tritanopia

42.6486, 0.2751, 0.3094

Trichromacy



Original Color

42.6818, 0.2656, 0.2822

Protanomaly

42.5023, 0.2747, 0.2815

Deuteranomaly

42.5837, 0.2748, 0.2769

Tritanomaly

42.6603, 0.2710, 0.2987

Monochromacy



Original Color

42.6818, 0.2656, 0.2822

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8593, 0.2946, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6818, 0.2656, 0.2822 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(150, 177, 212)` looks like.

```
.text, #text, p{  
    color:rgb(150, 177, 212)  
}
```

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(150, 177, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 177, 212) }
```

Border

The CSS property to change the border of an element to Yxy 42.6818, 0.2656, 0.2822 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(150, 177, 212) }
```

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

```
.border{ border-color:rgb(150, 177, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 177, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 177, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 177, 212);  
box-shadow:4px 4px 4px 4px rgb(150, 177,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6818, 0.2656, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 177, 212) }
```

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

```
.background{ background-color: rgb(150,  
177, 212) }
```

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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