

Converting Colors

$Y_{xy}(42.7898, 0.2642, 0.3125)$

Have a look what the booklet for
Yxy(42.7898, 0.2642, 0.3125)
contains.

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Color

Yxy(42.6324, 0.2643, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	83B7C3
RGB	131, 183, 195
RGB Percent	51%, 72%, 76%
CMY	0.4865, 0.2823, 0.2353
CMYK	0.33, 0.06, 0.00, 0.24
HSL	191°, 35%, 64%
HSV	191°, 33%, 76%
XYZ	36.1377, 42.6324, 57.9598
YIQ	168.8200, -34.8440, -7.2920

Conversions

Conversions Part 2

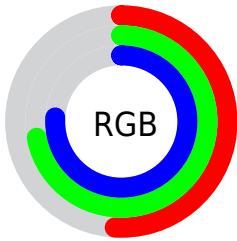
Format	Color
RYB	131, 160, 195
Decimal	8632259
CIELab	71.30, -14.09, -11.56
CIElCh	71, 18.227, 219.376
Yxy	42.6324, 0.2643, 0.3118
Android (android.graphics.Color)	4286822339 (0xFF83B7C3)
YUV	168.8200, 12.9067, -33.1681
Hunter-Lab	65.2935, -15.4699, -6.9252

Details

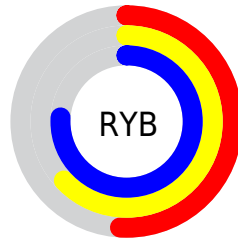
The Yxy color **42.6324, 0.2643, 0.3118** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.8671, 0.3827, 0.3454**, and the grayscale version is **39.5259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2004, 0.2729, 0.3147**, and **19.5081, 0.2506, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **39.7346, 0.2512, 0.3057**, and if you desaturate by 10%, it is **45.8657, 0.2784, 0.3175**.

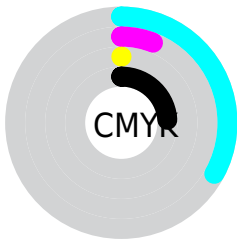
Distribution



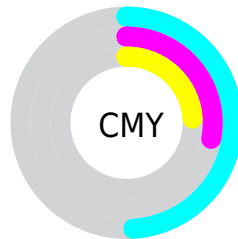
- Red (51%)
- Green (72%)
- Blue (76%)



- Red (51%)
- Yellow (63%)
- Blue (76%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (24%)





- Cyan (49%)
- Magenta (28%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6324, 0.2643, 0.3118 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 42.6324, 0.2643, 0.3118 by changing the saturation by 10% instead.


 42.6324, 0.2643,
0.3118


 42.6324, 0.2643,
0.3118


357.0978, 0.2885,
0.3209


 29.5968, 0.2583,
0.3094


 79.1558, 0.2731,
0.3152

 19.5327, 0.2506,
0.3061


 103.4125, 0.2764,
0.3165

 12.0559, 0.2404,
0.3017


 132.1782, 0.2792,
0.3175

 6.7817, 0.2263,
0.2952

165.8375, 0.2815,
0.3184

 3.3260, 0.2057,
0.2849

204.7747, 0.2836,
0.3192

 1.3042, 0.1728,
0.2665

249.3743, 0.2854,

 0.1444, 0.0000,

0.3198

0.1301

300.0205, 0.2870,
0.3204

0.0000, 0.0000,
0.0000

42.6324, 0.2643,
0.3118

42.6324, 0.2643,
0.3118

39.7346, 0.2512,
0.3057

45.8657, 0.2784,
0.3175

37.1503, 0.2395,
0.2993

49.4449, 0.2932,
0.3228

34.8630, 0.2294,
0.2927

53.3861, 0.3083,
0.3277

32.8520, 0.2210,
0.2860

57.7029, 0.3237,
0.3321

31.0937, 0.2146,
0.2792

62.4080, 0.3389,
0.3360

■ 29.5599, 0.2101,
0.2725

■ 67.5136, 0.3539,
0.3396

■ 28.5638, 0.2077,
0.2677

■ 70.5933, 0.3586,
0.3431

■ 72.4009, 0.3578,
0.3468

■ 74.2499, 0.3569,
0.3505

Harmonies

Analogous

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



42.6324, 0.2758, 0.3361



42.6324, 0.2643, 0.3118



42.6324, 0.2651, 0.2937

Triad

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



42.6324, 0.2643, 0.3118



42.6324, 0.3270, 0.3012



42.6324, 0.3474, 0.3743

Complementary

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



42.6324, 0.2643, 0.3118



32.8671, 0.3827, 0.3454

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.



42.6324, 0.3624, 0.3625



42.6324, 0.2643, 0.3118



42.6324, 0.3505, 0.3206

Square

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



42.6324, 0.2643, 0.3118



42.6324, 0.3004, 0.2886



42.6324, 0.3637, 0.3427



42.6324, 0.3234, 0.3736

Rectangle

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



42.6324, 0.2643, 0.3118



42.6324, 0.2724, 0.2871



42.6324, 0.3637, 0.3427



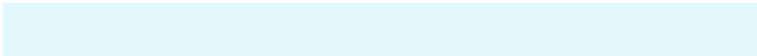
42.6324, 0.3537, 0.3716

Sweetspot

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



42.6341, 0.2643, 0.3118



90.3856, 0.2972, 0.3242



45.8295, 0.3003, 0.4072



19.5783, 0.2951, 0.3235



0.0000, 0.0000, 0.0000



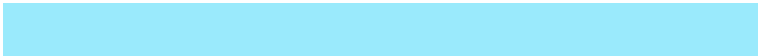
21.4041, 0.3127, 0.3290

Same Dimension

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



42.6341, 0.2643, 0.3118



72.7802, 0.2554, 0.3077



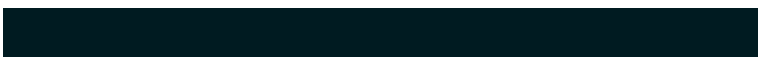
30.9686, 0.2584, 0.2640



11.0974, 0.2984, 0.3246



18.6778, 0.2080, 0.2686



0.8919, 0.2121, 0.2835

Inverse Universe

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



31.2400, 0.3286, 0.2621



49.8303, 0.3327, 0.2485



43.7927, 0.3694, 0.3863



10.2141, 0.3166, 0.3105



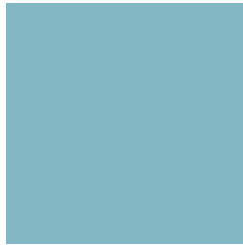
9.1678, 0.3741, 0.1835



0.4047, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 42.6324, 0.2643, 0.3118 looks on a white background.

Color Contrast Check

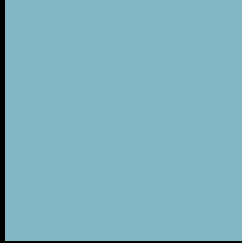
Large Text (above 18pt) WCAG AA × Fail

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 42.6324, 0.2643, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

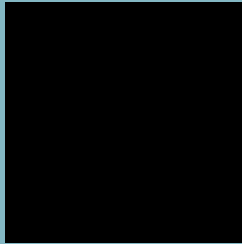
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6324, 0.2643, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 42.6324, 0.2643, 0.3118.

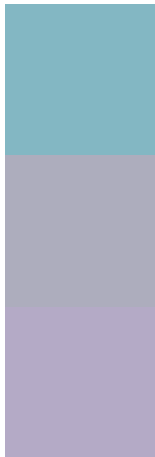


This preview shows how white text looks on a background with the Yxy color 42.6324, 0.2643, 0.3118.

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

42.6324, 0.2643, 0.3118

Protanopia

42.4455, 0.2998, 0.3077

Deuteranopia

42.5300, 0.2987, 0.2928



Tritanopia

42.7235, 0.2631, 0.3090

Trichromacy



Original Color

42.6324, 0.2643, 0.3118

Protanomaly

42.4750, 0.2861, 0.3098

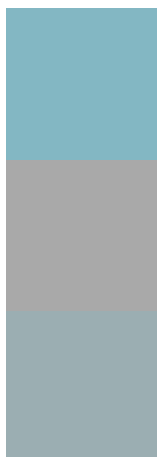
Deuteranomaly

42.3725, 0.2847, 0.2993

Tritanomaly

42.6778, 0.2637, 0.3104

Monochromacy



Original Color

42.6324, 0.2643, 0.3118

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.4550, 0.2932, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6324, 0.2643, 0.3118 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(131, 183, 195)` looks like.

```
.text, #text, p{  
    color:rgb(131, 183, 195)  
}
```

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(131, 183, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 183, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.6324, 0.2643, 0.3118 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(131, 183, 195) }
```

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

```
.border{ border-color:rgb(131, 183, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 183, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 183, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 183, 195);  
box-shadow:4px 4px 4px 4px rgb(131, 183,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6324, 0.2643, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 183, 195) }
```

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

```
.background{ background-color: rgb(131,  
183, 195) }
```

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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