

Converting Colors

$Yxy(42.1800, 0.3191, 0.4282)$

Have a look what the booklet for
Yxy(42.1800, 0.3191, 0.4282)
contains.

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Color

Yxy(42.1800, 0.3191, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	88BB7A
RGB	136, 187, 122
RGB Percent	53%, 73%, 48%
CMY	0.4668, 0.2666, 0.5216
CMYK	0.27, 0.00, 0.35, 0.27
HSL	107°, 32%, 61%
HSV	107°, 35%, 73%
XYZ	31.4331, 42.1800, 24.8923
YIQ	164.3410, -9.5310, -31.0270

Conversions

Conversions Part 2

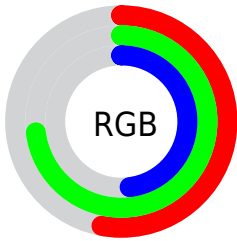
Format	Color
RYB	122, 187, 173
Decimal	8960890
CIELab	70.99, -29.21, 27.70
CIElCh	71, 40.254, 136.520
Yxy	42.1800, 0.3191, 0.4282
Android (android.graphics.Color)	4287150970 (0xFF88BB7A)
YUV	164.3410, -20.8741, -24.8551
Hunter-Lab	64.9461, -27.2641, 22.7378

Details

The Yxy color **42.1800, 0.3191, 0.4282** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.3904, 0.3017, 0.2401**, and the grayscale version is **37.3984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2727, 0.3192, 0.4077**, and **19.1278, 0.3186, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **40.6164, 0.3199, 0.4613**, and if you desaturate by 10%, it is **44.0047, 0.3177, 0.3965**.

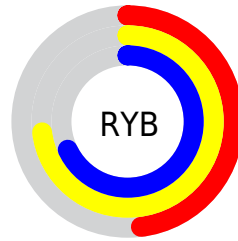
Distribution



Red (53%)

Green (73%)

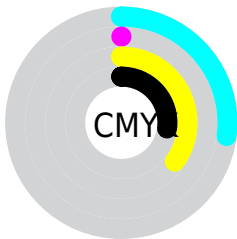
Blue (48%)



Red (48%)

Yellow (73%)

Blue (68%)

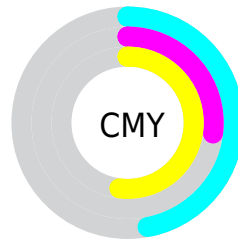


Cyan (27%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (47%)


Magenta (27%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1800, 0.3191, 0.4282 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 42.1800, 0.3191, 0.4282 by changing the saturation by 10% instead.


 42.1800, 0.3191,
0.4282


 42.1800, 0.3191,
0.4282


355.2286, 0.3174,
0.3754


 29.2423, 0.3189,
0.4424


 78.4720, 0.3189,
0.4083

 19.2642, 0.3183,
0.4611


 102.5950, 0.3187,
0.4010

 11.8613, 0.3166,
0.4870


 131.2152, 0.3184,
0.3949

 6.6493, 0.3125,
0.5246

164.7171, 0.3182,
0.3898

 3.2438, 0.3045,
0.5878

203.4850, 0.3180,
0.3854

 1.2603, 0.2605,
0.7395

247.9032, 0.3178,

 0.1101, 0.0000,

0.3816

1.0000

298.3563, 0.3176,
0.3783

0.0000, 0.0000,
0.0000

42.1800, 0.3191,
0.4282

42.1800, 0.3191,
0.4282

40.6164, 0.3199,
0.4613

44.0047, 0.3177,
0.3965

39.2964, 0.3198,
0.4945

46.0963, 0.3159,
0.3672

38.2092, 0.3188,
0.5259


48.4669, 0.3138,
0.3407

37.3404, 0.3166,
0.5532


51.1265, 0.3115,
0.3170


36.6742, 0.3135,
0.5745


54.0844, 0.3093,
0.2961


 36.1924, 0.3096,
0.5885

 57.3498, 0.3071,
0.2778

 36.0005, 0.3078,
0.5938

 60.9310, 0.3050,
0.2618

 63.7211, 0.3146,
0.2621

 64.0246, 0.3158,
0.2624

Harmonies

Analogous

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



42.1800, 0.3746, 0.4325



42.1800, 0.3191, 0.4282



42.1800, 0.2647, 0.3876

Triad

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



42.1800, 0.3191, 0.4282



42.1800, 0.2168, 0.2461



42.1800, 0.4070, 0.3192

Complementary

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



42.1800, 0.3191, 0.4282



26.3904, 0.3017, 0.2401

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.



42.1800, 0.3570, 0.2788



42.1800, 0.3191, 0.4282



42.1800, 0.2474, 0.2379

Square

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



42.1800, 0.3191, 0.4282



42.1800, 0.2090, 0.2769



42.1800, 0.2975, 0.2500



42.1800, 0.4287, 0.3642

Rectangle

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



42.1800, 0.3191, 0.4282



42.1800, 0.2362, 0.3485



42.1800, 0.2975, 0.2500



42.1800, 0.3927, 0.3048

Sweetspot

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



42.1818, 0.3191, 0.4282



84.4422, 0.3149, 0.3546



41.8276, 0.3701, 0.3976



18.4653, 0.3152, 0.3584



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.1818, 0.3191, 0.4282



73.2847, 0.3198, 0.4543



41.5867, 0.2952, 0.4017



10.7459, 0.3147, 0.3525



24.8283, 0.3084, 0.5933



1.0017, 0.3253, 0.5799

Inverse Universe

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



26.3904, 0.3017, 0.2401



40.6013, 0.2983, 0.2196



27.3309, 0.3367, 0.2661



9.5899, 0.3104, 0.3061



6.7631, 0.2676, 0.1248



0.2912, 0.2811, 0.1322

Previews

White Background



This preview shows how the Yxy color 42.1800, 0.3191, 0.4282 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 42.1800, 0.3191, 0.4282 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 42.1800, 0.3191, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 42.1800, 0.3191, 0.4282.



This preview shows how white text looks on a background with the Yxy color 42.1800, 0.3191, 0.4282.

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

42.1800, 0.3191, 0.4282

Protanopia

41.8395, 0.3762, 0.4053

Deuteranopia

41.7839, 0.3865, 0.3787



Tritanopia

41.9869, 0.2770, 0.3080

Trichromacy



Original Color

42.1800, 0.3191, 0.4282

Protanomaly

41.5838, 0.3540, 0.4141

Deuteranomaly

41.4561, 0.3603, 0.3966

Tritanomaly

41.7671, 0.2928, 0.3494

Monochromacy



Original Color

42.1800, 0.3191, 0.4282

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.5450, 0.3156, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1800, 0.3191, 0.4282 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(136, 187, 122)` looks like.

```
.text, #text, p{  
    color:rgb(136, 187, 122)  
}
```

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(136, 187, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 122) }
```

Border

The CSS property to change the border of an element to Yxy 42.1800, 0.3191, 0.4282 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(136, 187, 122) }
```

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

```
.border{ border-color:rgb(136, 187, 122) }
```

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

Here you see how a box with a 4 pixel rgb(136, 187, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 122);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1800, 0.3191, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 122) }
```

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

```
.background{ background-color: rgb(136,  
187, 122) }
```

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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