

Converting Colors

$Yxy(42.8323, 0.2683, 0.3139)$

Have a look what the booklet for
Yxy(42.8323, 0.2683, 0.3139)
contains.

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Color

Yxy(42.8681, 0.2683, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	87B7C1
RGB	135, 183, 193
RGB Percent	53%, 72%, 76%
CMY	0.4707, 0.2823, 0.2431
CMYK	0.30, 0.05, 0.00, 0.24
HSL	190°, 32%, 64%
HSV	190°, 30%, 76%
XYZ	36.5475, 42.8681, 56.8033
YIQ	169.7880, -31.8180, -7.0660

Conversions

Conversions Part 2

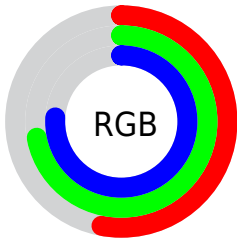
Format	Color
R_{YB}	135, 161, 193
Decimal	8894401
CIE Lab	71.47, -13.42, -10.20
CIE LCh	71, 16.855, 217.244
Yxy	42.8681, 0.2683, 0.3147
Android (android.graphics.Color)	4287084481 (0xFF87B7C1)
YUV	169.7880, 11.4435, -30.5091
Hunter-Lab	65.4737, -14.9401, -5.6068

Details

The Yxy color **42.8681, 0.2683, 0.3147** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3281, 0.3752, 0.3428**, and the grayscale version is **40.0394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5197, 0.2768, 0.3180**, and **19.6977, 0.2555, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **40.0562, 0.2551, 0.3092**, and if you desaturate by 10%, it is **46.0060, 0.2825, 0.3199**.

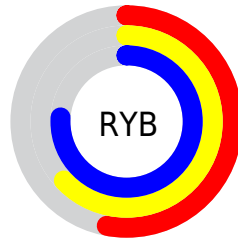
Distribution



Red (53%)

Green (72%)

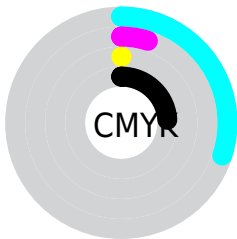
Blue (76%)



Red (53%)

Yellow (63%)

Blue (76%)

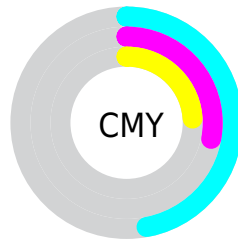


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (28%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8681, 0.2683, 0.3147 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 42.8681, 0.2683, 0.3147 by changing the saturation by 10% instead.

 42.8681, 0.2683,
0.3147


 42.8681, 0.2683,
0.3147


358.0691, 0.2905,
0.3223


 29.7816, 0.2628,
0.3127


 79.5118, 0.2764,
0.3176

 19.6729, 0.2557,
0.3100


 103.8378, 0.2794,
0.3186

 12.1575, 0.2463,
0.3063


 132.6791, 0.2819,
0.3195

 6.8510, 0.2333,
0.3008

166.4201, 0.2841,
0.3202

 3.3691, 0.2140,
0.2921

205.4452, 0.2860,
0.3208

 1.3273, 0.1831,
0.2764

250.1388, 0.2877,

 0.1622, 0.0000,

0.3214

0.1542

300.8853, 0.2892,
0.3219

0.0000, 0.0000,
0.0000

42.8681, 0.2683,
0.3147

42.8681, 0.2683,
0.3147

40.0562, 0.2551,
0.3092

46.0060, 0.2825,
0.3199

37.5493, 0.2431,
0.3034

49.4795, 0.2974,
0.3246

35.3316, 0.2327,
0.2974

53.3041, 0.3126,
0.3290

33.3839, 0.2241,
0.2913

57.4927, 0.3280,
0.3329

31.6842, 0.2173,
0.2851

62.0575, 0.3432,
0.3364

■ 30.2064, 0.2125,
0.2789

■ 67.0102, 0.3581,
0.3395

■ 28.9084, 0.2091,
0.2729

■ 69.3895, 0.3607,
0.3428

■ 71.0103, 0.3599,
0.3462

■ 72.6652, 0.3591,
0.3496

Harmonies

Analogous

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



42.8681, 0.2798, 0.3373



42.8681, 0.2683, 0.3147



42.8681, 0.2682, 0.2973

Triad

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



42.8681, 0.2683, 0.3147



42.8681, 0.3242, 0.3022



42.8681, 0.3461, 0.3704

Complementary

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



42.8681, 0.2683, 0.3147



33.3281, 0.3752, 0.3428

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.



42.8681, 0.3591, 0.3589



42.8681, 0.2683, 0.3147



42.8681, 0.3463, 0.3199

Square

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



42.8681, 0.2683, 0.3147



42.8681, 0.2997, 0.2911



42.8681, 0.3593, 0.3404



42.8681, 0.3244, 0.3706

Rectangle

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



42.8681, 0.2683, 0.3147



42.8681, 0.2745, 0.2907



42.8681, 0.3593, 0.3404



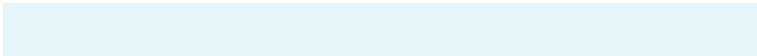
42.8681, 0.3517, 0.3677

Sweetspot

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



42.8698, 0.2683, 0.3147



89.2204, 0.2988, 0.3250



45.3247, 0.3020, 0.4009



18.9347, 0.2966, 0.3244



97.7402, 0.3127, 0.3290



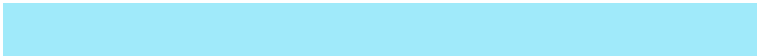
20.4902, 0.3127, 0.3290

Same Dimension

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



42.8698, 0.2683, 0.3147



73.4378, 0.2596, 0.3112



32.2149, 0.2635, 0.2719



11.1236, 0.2984, 0.3249



19.3292, 0.2094, 0.2737



0.9148, 0.2131, 0.2873

Inverse Universe

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



32.0776, 0.3261, 0.2668



51.3886, 0.3297, 0.2534



43.2283, 0.3643, 0.3801



10.2168, 0.3163, 0.3101



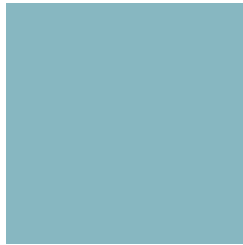
9.2335, 0.3693, 0.1808



0.4070, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 42.8681, 0.2683, 0.3147 looks on a white background.

Color Contrast Check

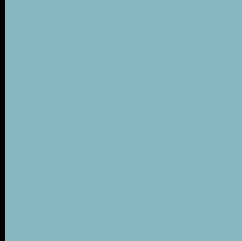
Large Text (above 18pt) WCAG AA × Fail

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 42.8681, 0.2683, 0.3147 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

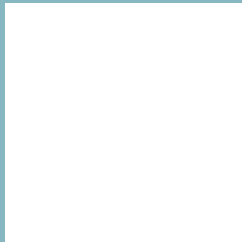
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8681, 0.2683, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 42.8681, 0.2683, 0.3147.



This preview shows how white text looks on a background with the Yxy color 42.8681, 0.2683, 0.3147.

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

42.8681, 0.2683, 0.3147

Protanopia

42.4737, 0.3022, 0.3103

Deuteranopia

42.5587, 0.3011, 0.2953



Tritanopia

42.7214, 0.2663, 0.3078

Trichromacy



Original Color

42.8681, 0.2683, 0.3147

Protanomaly

42.5920, 0.2891, 0.3125

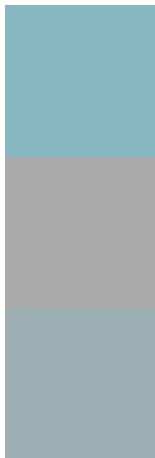
Deuteranomaly

42.4926, 0.2878, 0.3021

Tritanomaly

42.6757, 0.2669, 0.3092

Monochromacy



Original Color

42.8681, 0.2683, 0.3147

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.0424, 0.2949, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8681, 0.2683, 0.3147 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(135, 183, 193)` looks like.

```
.text, #text, p{  
    color:rgb(135, 183, 193)  
}
```

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(135, 183, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 183, 193) }
```

Border

The CSS property to change the border of an element to Yxy 42.8681, 0.2683, 0.3147 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(135, 183, 193) }
```

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

```
.border{ border-color:rgb(135, 183, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 183, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 183, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 183, 193);  
box-shadow:4px 4px 4px 4px rgb(135, 183,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8681, 0.2683, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 183, 193) }
```

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

```
.background{ background-color: rgb(135,  
183, 193) }
```

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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