

Converting Colors

$Yxy(63.8034, 0.2692, 0.3289)$

Have a look what the booklet for
Yxy(63.8034, 0.2692, 0.3289)
contains.

Yxy(63.8034, 0.2692, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8034, 0.2692, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	9ADDDD
RGB	154, 221, 221
RGB Percent	60%, 87%, 87%
CMY	0.3964, 0.1333, 0.1334
CMYK	0.30, 0.00, 0.00, 0.13
HSL	180°, 50%, 74%
HSV	180°, 30%, 87%
XYZ	52.2222, 63.8034, 77.9647
YIQ	200.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

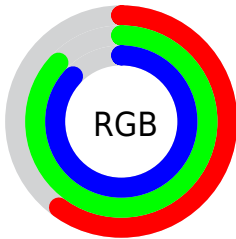
Format	Color
RYB	154, 188, 221
Decimal	10149341
CIELab	83.86, -20.92, -6.75
CIELCh	84, 21.986, 197.876
Yxy	63.8034, 0.2692, 0.3289
Android (android.graphics.Color)	4288339421 (0xFF9ADDDD)
YUV	200.9670, 9.8763, -41.1901
Hunter-Lab	79.8770, -23.0847, -1.9566

Details

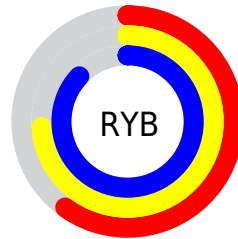
The Yxy color **63.8034, 0.2692, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7928, 0.3808, 0.3292**, and the grayscale version is **58.3350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **32.7349, 0.2589, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **61.8341, 0.2574, 0.3289**, and if you desaturate by 10%, it is **66.1770, 0.2824, 0.3289**.

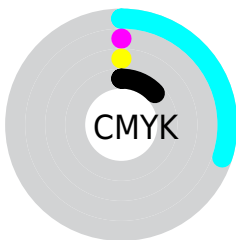
Distribution



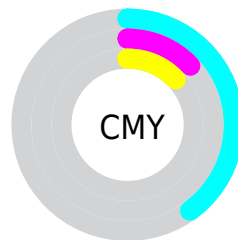
- Red (60%)
- Green (87%)
- Blue (87%)



- Red (60%)
- Yellow (74%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)





- Cyan (40%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8034, 0.2692, 0.3289 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 63.8034, 0.2692, 0.3289 by changing the saturation by 10% instead.

 63.8034, 0.2692,
0.3289

 63.8034, 0.2692,
0.3289

438.4793, 0.2896,
0.3293

 46.4915, 0.2645,
0.3287

 110.3278, 0.2763,
0.3291

 32.6338, 0.2587,
0.3285

 140.3090, 0.2791,
0.3292

 21.8461, 0.2512,
0.3281


175.2820, 0.2814,
0.3292

 13.7438, 0.2415,
0.3274

215.6314, 0.2835,
0.3292

 7.9427, 0.2281,
0.3263

261.7414, 0.2853,
0.3292

 4.0583, 0.2086,
0.3241

313.9964, 0.2869,

 1.7062, 0.1781,

0.3293

0.3191

372.7810, 0.2883,
0.3293

0.4277, 0.0000,
0.3133

0.0000, 0.0000,
0.0000

63.8034, 0.2692,
0.3289

63.8034, 0.2692,
0.3289

61.8341, 0.2574,
0.3289

66.1770, 0.2824,
0.3289

60.2396, 0.2473,
0.3289

68.9674, 0.2969,
0.3290

58.9982, 0.2391,
0.3288

72.1962, 0.3122,
0.3290

58.0831, 0.2328,
0.3288

75.8812, 0.3280,
0.3290

■ 57.4638, 0.2284,
0.3288

■ 78.2055, 0.3373,
0.3291

■ 57.1036, 0.2259,
0.3288

■ 78.2060, 0.3373,
0.3290

■ 56.9403, 0.2247,
0.3289

■ 78.2064, 0.3373,
0.3290

■ 78.2068, 0.3373,
0.3290

■ 78.2073, 0.3372,
0.3290

Harmonies

Analogous

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



63.8034, 0.2892, 0.3548



63.8034, 0.2692, 0.3289



63.8034, 0.2606, 0.3045

Triad

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



63.8034, 0.2692, 0.3289



63.8034, 0.3075, 0.2894



63.8034, 0.3620, 0.3688

Complementary

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



63.8034, 0.2692, 0.3289



40.7928, 0.3808, 0.3292

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.



63.8034, 0.3678, 0.3497



63.8034, 0.2692, 0.3289



63.8034, 0.3355, 0.3050

Square

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



63.8034, 0.2692, 0.3289



63.8034, 0.2820, 0.2831



63.8034, 0.3580, 0.3266



63.8034, 0.3428, 0.3781

Rectangle

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



63.8034, 0.2692, 0.3289



63.8034, 0.2622, 0.2924



63.8034, 0.3580, 0.3266



63.8034, 0.3656, 0.3633

Sweetspot

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



63.8060, 0.2692, 0.3289



95.9036, 0.2988, 0.3290



61.0265, 0.3093, 0.4175



20.3958, 0.2966, 0.3290



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.



63.8060, 0.2692, 0.3289



86.5455, 0.2620, 0.3289



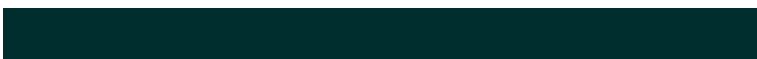
48.3032, 0.2645, 0.2872



14.8295, 0.2982, 0.3290



33.0709, 0.2247, 0.3289



2.1425, 0.2247, 0.3288

Inverse Universe

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



40.7928, 0.3808, 0.3292



50.1782, 0.4003, 0.3292



52.9728, 0.3695, 0.3673



13.0516, 0.3292, 0.3290



8.9300, 0.6400, 0.3299



0.5786, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 63.8034, 0.2692, 0.3289 looks on a white background.

Color Contrast Check

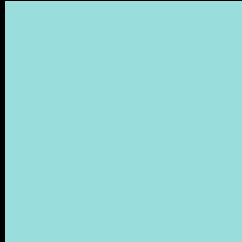
Large Text (above 18pt) WCAG AA × Fail

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 63.8034, 0.2692, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

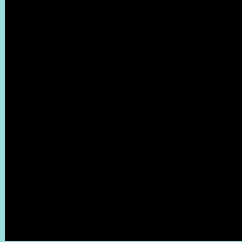
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

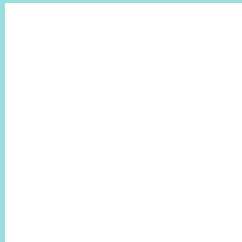
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8034, 0.2692, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 63.8034, 0.2692, 0.3289.



This preview shows how white text looks on a background with the Yxy color 63.8034, 0.2692, 0.3289.

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

63.8034, 0.2692, 0.3289

Protanopia

63.2786, 0.3115, 0.3222

Deuteranopia

63.0495, 0.3109, 0.3037



Tritanopia

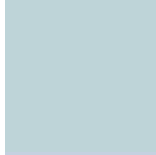
63.8873, 0.2626, 0.3085

Trichromacy



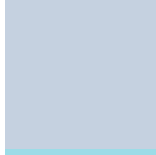
Original Color

63.8034, 0.2692, 0.3289



Protanomaly

62.9920, 0.2943, 0.3242



Deuteranomaly

62.8531, 0.2940, 0.3117



Tritanomaly

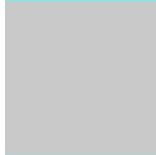
64.0238, 0.2648, 0.3156

Monochromacy



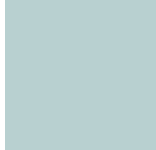
Original Color

63.8034, 0.2692, 0.3289



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

59.8562, 0.2952, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8034, 0.2692, 0.3289 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(154, 221, 221)` looks like.

```
.text, #text, p{  
    color:rgb(154, 221, 221)  
}
```

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(154, 221, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 221, 221) }
```

Border

The CSS property to change the border of an element to Yxy 63.8034, 0.2692, 0.3289 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(154, 221, 221) }
```

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

```
.border{ border-color:rgb(154, 221, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 221, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 221, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 221, 221);  
box-shadow:4px 4px 4px 4px rgb(154, 221,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8034, 0.2692, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 221, 221) }
```

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

```
.background{ background-color: rgb(154,  
221, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor