

Converting Colors

$Yxy(61.8550, 0.2707, 0.3604)$

Have a look what the booklet for
Yxy(61.8550, 0.2707, 0.3604)
contains.

Yxy(61.9672, 0.2705, 0.3602)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.9672, 0.2705, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	86DFC7
RGB	134, 223, 199
RGB Percent	53%, 87%, 78%
CMY	0.4742, 0.1255, 0.2197
CMYK	0.40, 0.00, 0.11, 0.13
HSL	164°, 58%, 70%
HSV	164°, 40%, 87%
XYZ	46.5356, 61.9672, 63.5327
YIQ	193.6530, -45.3400, -26.3320

Conversions

Conversions Part 2

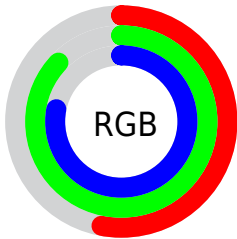
Format	Color
RYB	134, 185, 223
Decimal	8839111
CIELab	82.90, -32.19, 3.38
CIELCh	83, 32.372, 173.998
Yxy	61.9672, 0.2705, 0.3602
Android (android.graphics.Color)	4287029191 (0xFF86DFC7)
YUV	193.6530, 2.6361, -52.3157
Hunter-Lab	78.7192, -32.2368, 7.2517

Details

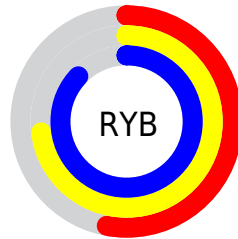
The Yxy color **61.9672, 0.2705, 0.3602** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.2302, 0.3853, 0.3006**, and the grayscale version is **53.7480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **31.3015, 0.2595, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **60.0510, 0.2626, 0.3696**, and if you desaturate by 10%, it is **64.2858, 0.2798, 0.3514**.

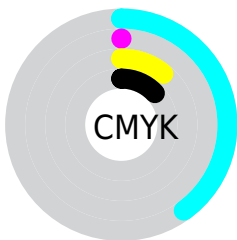
Distribution



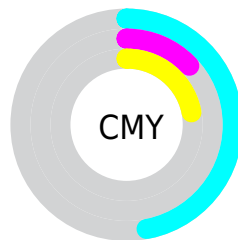
- Red (53%)
- Green (87%)
- Blue (78%)



- Red (53%)
- Yellow (73%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)




- Cyan (47%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9672, 0.2705, 0.3602 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 61.9672, 0.2705, 0.3602 by changing the saturation by 10% instead.


 61.9672, 0.2705,
0.3602


 61.9672, 0.2705,
0.3602


431.8114, 0.2907,
0.3451


 45.0062, 0.2657,
0.3638


 107.6781, 0.2776,
0.3548

 31.4623, 0.2598,
0.3683


 137.1968, 0.2803,
0.3528

 20.9511, 0.2521,
0.3742


 171.6702, 0.2827,
0.3511

 13.0883, 0.2419,
0.3822

211.4827, 0.2847,
0.3496

 7.4894, 0.2275,
0.3936

257.0187, 0.2865,
0.3482

 3.7700, 0.2060,
0.4109

308.6625, 0.2880,

 1.5457, 0.1641,

0.3471

0.4442

366.7987, 0.2894,
0.3461

0.3206, 0.0000,
0.7404

0.0000, 0.0000,
0.0000

61.9672, 0.2705,
0.3602

61.9672, 0.2705,
0.3602

60.0510, 0.2626,
0.3696

64.2858, 0.2798,
0.3514

58.5052, 0.2562,
0.3794


67.0218, 0.2902,
0.3432

57.3048, 0.2518,
0.3895


70.1985, 0.3013,
0.3357

56.4186, 0.2493,
0.3997


73.8352, 0.3129,
0.3289

 55.8095, 0.2488,
0.4099

 77.9502, 0.3247,
0.3228

 55.4133, 0.2500,
0.4200

 80.0365, 0.3273,
0.3170

 55.4088, 0.2500,
0.4201

 80.3907, 0.3233,
0.3112

 80.7567, 0.3193,
0.3054

 81.1348, 0.3154,
0.2997

Harmonies

Analogous

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



61.9672, 0.3083, 0.3923



61.9672, 0.2705, 0.3602



61.9672, 0.2450, 0.3198

Triad

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



61.9672, 0.2705, 0.3602



61.9672, 0.2740, 0.2631



61.9672, 0.3949, 0.3645

Complementary

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



61.9672, 0.2705, 0.3602



35.2302, 0.3853, 0.3006

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.



61.9672, 0.3851, 0.3314



61.9672, 0.2705, 0.3602



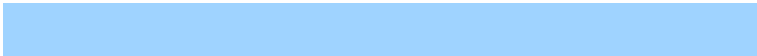
61.9672, 0.3129, 0.2753

Square

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



61.9672, 0.2705, 0.3602



61.9672, 0.2470, 0.2661



61.9672, 0.3543, 0.2996



61.9672, 0.3810, 0.3915

Rectangle

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



61.9672, 0.2705, 0.3602



61.9672, 0.2375, 0.2957



61.9672, 0.3543, 0.2996



61.9672, 0.3943, 0.3537

Sweetspot

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



61.9697, 0.2705, 0.3602



94.1306, 0.2988, 0.3373



61.8940, 0.3239, 0.4450



20.0229, 0.2973, 0.3383



0.0000, 0.0000, 0.0000



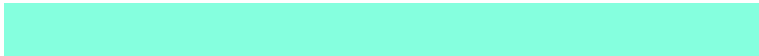
21.4041, 0.3127, 0.3290

Same Dimension

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



61.9697, 0.2705, 0.3602



81.7455, 0.2637, 0.3681



53.4589, 0.2540, 0.3039



15.5059, 0.3018, 0.3354



32.6014, 0.2496, 0.4186



2.2745, 0.2453, 0.4030

Inverse Universe

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



35.2302, 0.3853, 0.3006



40.6659, 0.4092, 0.2950



40.3053, 0.4037, 0.3523



13.7610, 0.3250, 0.3227



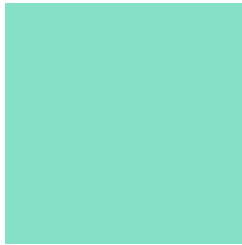
9.4336, 0.5857, 0.3000



0.6686, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 61.9672, 0.2705, 0.3602 looks on a white background.

Color Contrast Check

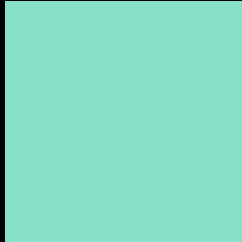
Large Text (above 18pt) WCAG AA × Fail

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 61.9672, 0.2705, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

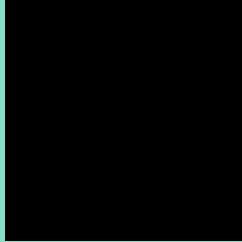
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

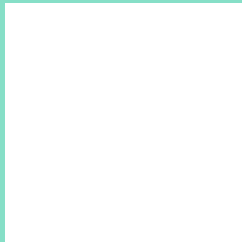
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9672, 0.2705, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 61.9672, 0.2705, 0.3602.

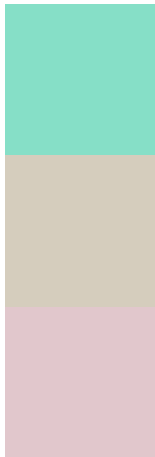


This preview shows how white text looks on a background with the Yxy color 61.9672, 0.2705, 0.3602.

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

61.9672, 0.2705, 0.3602

Protanopia

61.4829, 0.3305, 0.3476

Deuteranopia

61.2140, 0.3296, 0.3235



Tritanopia

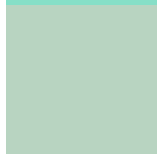
61.9806, 0.2554, 0.3080

Trichromacy



Original Color

61.9672, 0.2705, 0.3602



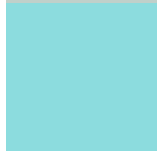
Protanomaly

61.1276, 0.3051, 0.3523



Deuteranomaly

60.5825, 0.3049, 0.3362



Tritanomaly

62.0358, 0.2609, 0.3263

Monochromacy



Original Color

61.9672, 0.2705, 0.3602



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.4188, 0.2944, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9672, 0.2705, 0.3602 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(134, 223, 199)` looks like.

```
.text, #text, p{  
    color:rgb(134, 223, 199)  
}
```

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(134, 223, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 223, 199) }
```

Border

The CSS property to change the border of an element to Yxy 61.9672, 0.2705, 0.3602 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(134, 223, 199) }
```

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

```
.border{ border-color:rgb(134, 223, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 223, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 223, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 223, 199);  
box-shadow:4px 4px 4px 4px rgb(134, 223,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9672, 0.2705, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 223, 199) }
```

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

```
.background{ background-color: rgb(134,  
223, 199) }
```

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