

Converting Colors

$Yxy(62.6425, 0.2713, 0.3661)$

Have a look what the booklet for
Yxy(62.6425, 0.2713, 0.3661)
contains.

Yxy(62.7415, 0.2713, 0.3668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.7415, 0.2713, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	84E1C4
RGB	132, 225, 196
RGB Percent	52%, 88%, 77%
CMY	0.4824, 0.1176, 0.2313
CMYK	0.41, 0.00, 0.13, 0.12
HSL	161°, 61%, 70%
HSV	161°, 41%, 88%
XYZ	46.4061, 62.7415, 61.9034
YIQ	193.8870, -46.1190, -28.7350

Conversions

Conversions Part 2

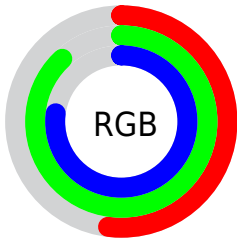
Format	Color
RYB	132, 187, 225
Decimal	8708548
CIELab	83.31, -34.33, 5.53
CIElCh	83, 34.772, 170.844
Yxy	62.7415, 0.2713, 0.3668
Android (android.graphics.Color)	4286898628 (0xFF84E1C4)
YUV	193.8870, 1.0417, -54.2749
Hunter-Lab	79.2095, -34.0397, 9.1107

Details

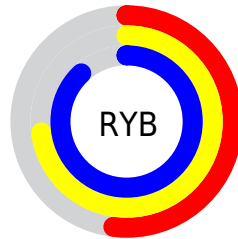
The Yxy color **62.7415, 0.2713, 0.3668** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.0818, 0.3847, 0.2951**, and the grayscale version is **53.8941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4307, 0.2757, 0.3310**, and **31.8654, 0.2610, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **60.8097, 0.2640, 0.3778**, and if you desaturate by 10%, it is **65.0845, 0.2800, 0.3564**.

Distribution



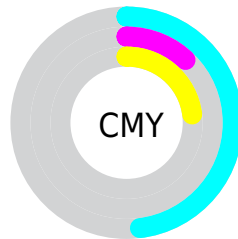
- Red (52%)
- Green (88%)
- Blue (77%)



- Red (52%)
- Yellow (73%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (12%)





- Cyan (48%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7415, 0.2713, 0.3668 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 62.7415, 0.2713, 0.3668 by changing the saturation by 10% instead.


 62.7415, 0.2713,
0.3668


 62.7415, 0.2713,
0.3668


434.6307, 0.2911,
0.3484


 45.6321, 0.2666,
0.3712


 108.7965, 0.2783,
0.3602

 31.9556, 0.2607,
0.3768


 138.5109, 0.2810,
0.3578

 21.3276, 0.2531,
0.3841


 173.1957, 0.2833,
0.3556

 13.3637, 0.2430,
0.3940

213.2355, 0.2853,
0.3538

 7.6795, 0.2287,
0.4082

259.0144, 0.2870,
0.3522

 3.8905, 0.2072,
0.4301

310.9170, 0.2886,

 1.6125, 0.1646,

0.3508

0.4723

369.3277, 0.2899,
0.3496

0.3660, 0.0000,
0.9691

0.0000, 0.0000,
0.0000

62.7415, 0.2713,
0.3668

62.7415, 0.2713,
0.3668

60.8097, 0.2640,
0.3778

65.0845, 0.2800,
0.3564

59.2558, 0.2582,
0.3894


67.8543, 0.2898,
0.3468


58.0537, 0.2544,
0.4012


71.0750, 0.3003,
0.3380

57.1708, 0.2526,
0.4132


74.7667, 0.3112,
0.3300

 56.5679, 0.2528,
0.4251


 78.9482, 0.3224,
0.3229

 56.2154, 0.2543,
0.4353

 81.2903, 0.3252,
0.3161

 81.7106, 0.3205,
0.3093

 82.1472, 0.3159,
0.3027

 82.3321, 0.3141,
0.2999

Harmonies

Analogous

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



62.7415, 0.3124, 0.3995



62.7415, 0.2713, 0.3668



62.7415, 0.2425, 0.3234

Triad

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



62.7415, 0.2713, 0.3668



62.7415, 0.2676, 0.2585



62.7415, 0.4008, 0.3629

Complementary

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



62.7415, 0.2713, 0.3668



35.0818, 0.3847, 0.2951

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.



62.7415, 0.3877, 0.3275



62.7415, 0.2713, 0.3668



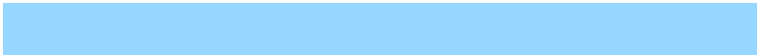
62.7415, 0.3081, 0.2699

Square

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



62.7415, 0.2713, 0.3668



62.7415, 0.2407, 0.2633



62.7415, 0.3528, 0.2945



62.7415, 0.3883, 0.3930

Rectangle

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



62.7415, 0.2713, 0.3668



62.7415, 0.2333, 0.2969



62.7415, 0.3528, 0.2945



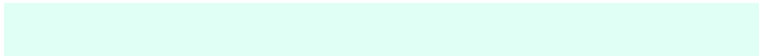
62.7415, 0.3993, 0.3513

Sweetspot

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



62.7440, 0.2713, 0.3668



94.0524, 0.2995, 0.3386



63.1417, 0.3263, 0.4490



20.0044, 0.2980, 0.3397



0.0000, 0.0000, 0.0000



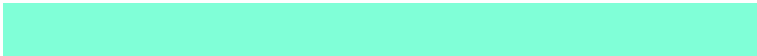
21.4041, 0.3127, 0.3290

Same Dimension

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



62.7440, 0.2713, 0.3668



80.9910, 0.2646, 0.3767



55.4299, 0.2528, 0.3069



15.4958, 0.3023, 0.3364



32.4148, 0.2537, 0.4335



2.2627, 0.2487, 0.4153

Inverse Universe

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



35.0818, 0.3847, 0.2951



39.3665, 0.4092, 0.2882



39.1837, 0.4100, 0.3495



13.7705, 0.3243, 0.3217



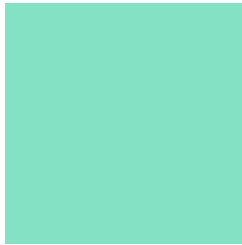
9.4984, 0.5712, 0.2921



0.6741, 0.5273, 0.2678

Previews

White Background



This preview shows how the Yxy color 62.7415, 0.2713, 0.3668 looks on a white background.

Color Contrast Check

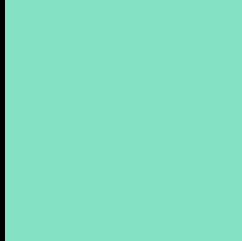
Large Text (above 18pt) WCAG AA × Fail

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 62.7415, 0.2713, 0.3668 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

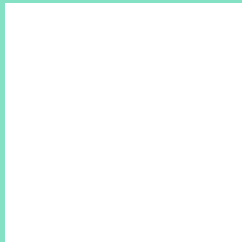
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.7415, 0.2713, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 62.7415, 0.2713, 0.3668.

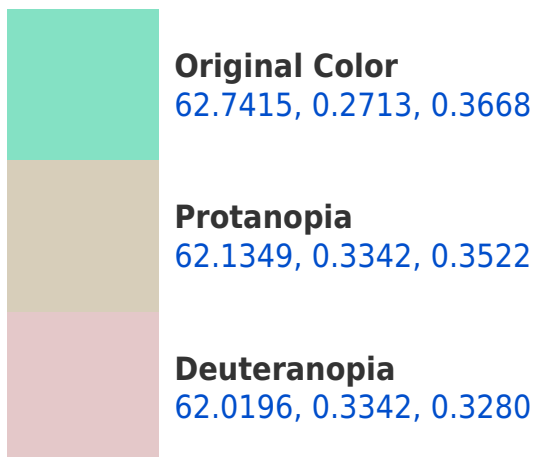


This preview shows how white text looks on a background with the Yxy color 62.7415, 0.2713, 0.3668.

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





Tritanopia

62.5282, 0.2541, 0.3069

Trichromacy



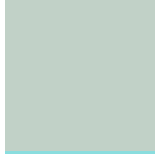
Original Color

62.7415, 0.2713, 0.3668



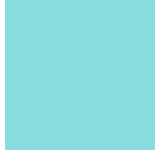
Protanomaly

61.6205, 0.3078, 0.3572



Deuteranomaly

61.0619, 0.3077, 0.3410



Tritanomaly

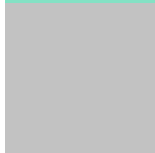
62.3901, 0.2600, 0.3276

Monochromacy



Original Color

62.7415, 0.2713, 0.3668



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.2607, 0.2944, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7415, 0.2713, 0.3668 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(132, 225, 196)` looks like.

```
.text, #text, p{  
    color:rgb(132, 225, 196)  
}
```

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(132, 225, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 225, 196) }
```

Border

The CSS property to change the border of an element to Yxy 62.7415, 0.2713, 0.3668 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(132, 225, 196) }
```

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

```
.border{ border-color:rgb(132, 225, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 225, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 225, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 225, 196);  
box-shadow:4px 4px 4px 4px rgb(132, 225,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7415, 0.2713, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 225, 196) }
```

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

```
.background{ background-color: rgb(132,  
225, 196) }
```

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