

Converting Colors

$Yxy(65.1366, 0.2719, 0.3441)$

Have a look what the booklet for
Yxy(65.1366, 0.2719, 0.3441)
contains.

Yxy(65.1386, 0.2719, 0.3438)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.1386, 0.2719, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	96E1D5
RGB	150, 225, 213
RGB Percent	59%, 88%, 84%
CMY	0.4117, 0.1176, 0.1647
CMYK	0.33, 0.00, 0.05, 0.12
HSL	170°, 56%, 74%
HSV	170°, 33%, 88%
XYZ	51.5160, 65.1386, 72.8120
YIQ	201.2070, -40.8480, -19.6320

Conversions

Conversions Part 2

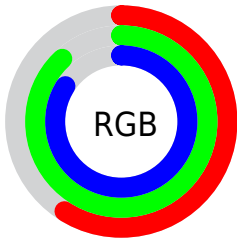
Format	Color
RYB	150, 191, 225
Decimal	9888213
CIELab	84.56, -25.76, -1.52
CIELCh	85, 25.806, 183.386
Yxy	65.1386, 0.2719, 0.3438
Android (android.graphics.Color)	4288078293 (0xFF96E1D5)
YUV	201.2070, 5.8139, -44.9085
Hunter-Lab	80.7085, -27.3039, 3.0069

Details

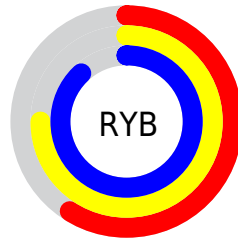
The Yxy color **65.1386, 0.2719, 0.3438** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4358, 0.3777, 0.3150**, and the grayscale version is **58.5299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **33.3314, 0.2624, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **63.0266, 0.2620, 0.3490**, and if you desaturate by 10%, it is **67.6697, 0.2831, 0.3389**.

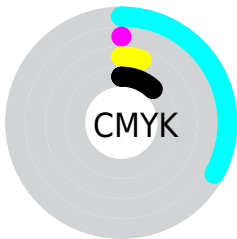
Distribution



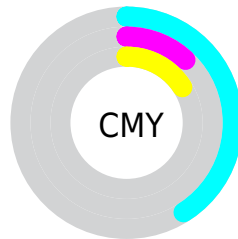
- Red (59%)
- Green (88%)
- Blue (84%)



- Red (59%)
- Yellow (75%)
- Blue (88%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)





- Cyan (41%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1386, 0.2719, 0.3438 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 65.1386, 0.2719, 0.3438 by changing the saturation by 10% instead.


 65.1386, 0.2719,
0.3438


 65.1386, 0.2719,
0.3438


443.2899, 0.2911,
0.3369

 47.5735, 0.2675,
0.3454


 112.2491, 0.2786,
0.3414

 33.4892, 0.2619,
0.3473


 142.5633, 0.2812,
0.3405

 22.5015, 0.2549,
0.3498


177.8959, 0.2834,
0.3397

 14.2259, 0.2456,
0.3530

218.6314, 0.2853,
0.3390

 8.2779, 0.2329,
0.3573

265.1541, 0.2870,
0.3384

 4.2733, 0.2142,
0.3635

317.8485, 0.2885,

 1.8276, 0.1845,

0.3379

377.0990, 0.2899,
0.3374

0.3730

0.5043, 0.0000,
0.4348

0.0000, 0.0000,
0.0000

65.1386, 0.2719,
0.3438

65.1386, 0.2719,
0.3438

63.0266, 0.2620,
0.3490

67.6697, 0.2831,
0.3389

61.3023, 0.2536,
0.3544


70.6338, 0.2953,
0.3344

59.9423, 0.2471,
0.3600

74.0536, 0.3083,
0.3303

58.9176, 0.2424,
0.3658


77.9480, 0.3217,
0.3266


 58.1945, 0.2398,
0.3715

 80.8806, 0.3299,
0.3231

 57.7324, 0.2390,
0.3772

 81.0861, 0.3275,
0.3195

 57.5254, 0.2392,
0.3810

 81.2958, 0.3251,
0.3160

 81.5097, 0.3227,
0.3125

 81.7279, 0.3203,
0.3090

Harmonies

Analogous

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



65.1386, 0.2997, 0.3715



65.1386, 0.2719, 0.3438



65.1386, 0.2553, 0.3130

Triad

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



65.1386, 0.2719, 0.3438



65.1386, 0.2913, 0.2782



65.1386, 0.3757, 0.3652

Complementary

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



65.1386, 0.2719, 0.3438



40.4358, 0.3777, 0.3150

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.



65.1386, 0.3737, 0.3399



65.1386, 0.2719, 0.3438



65.1386, 0.3236, 0.2914

Square

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



65.1386, 0.2719, 0.3438



65.1386, 0.2660, 0.2770



65.1386, 0.3542, 0.3134



65.1386, 0.3600, 0.3828

Rectangle

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



65.1386, 0.2719, 0.3438



65.1386, 0.2523, 0.2958



65.1386, 0.3542, 0.3134



65.1386, 0.3771, 0.3573

Sweetspot

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



65.1412, 0.2719, 0.3438



95.2204, 0.2995, 0.3330



63.7891, 0.3165, 0.4255



20.2481, 0.2977, 0.3336



0.0000, 0.0000, 0.0000



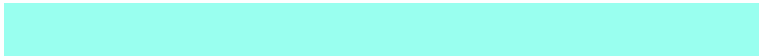
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1412, 0.2719, 0.3438



84.5056, 0.2649, 0.3474



53.2340, 0.2615, 0.2972



15.5327, 0.3003, 0.3328



33.1630, 0.2389, 0.3801



2.3089, 0.2365, 0.3713

Inverse Universe

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



40.4358, 0.3777, 0.3150



46.9189, 0.3979, 0.3121



48.8755, 0.3806, 0.3585



13.7361, 0.3267, 0.3253



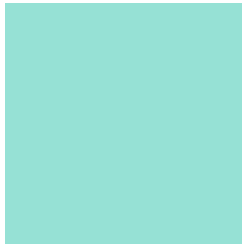
9.3088, 0.6166, 0.3170



0.6564, 0.5776, 0.2956

Previews

White Background



This preview shows how the Yxy color 65.1386, 0.2719, 0.3438 looks on a white background.

Color Contrast Check

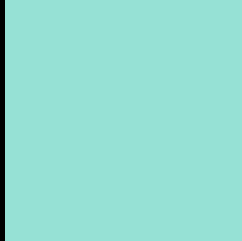
Large Text (above 18pt) WCAG AA × Fail

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 65.1386, 0.2719, 0.3438 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

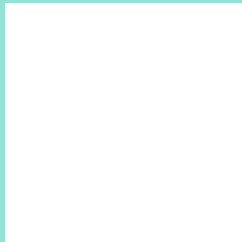
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1386, 0.2719, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 65.1386, 0.2719, 0.3438.

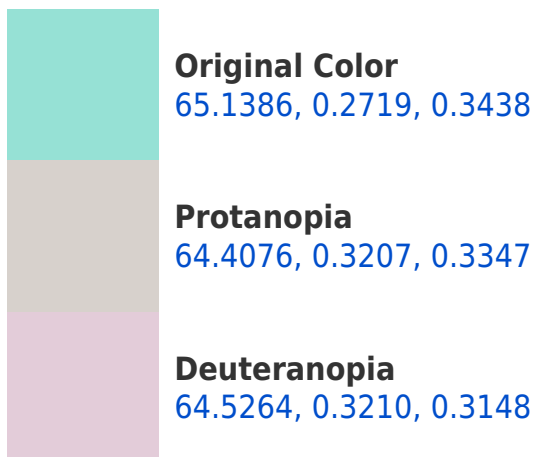


This preview shows how white text looks on a background with the Yxy color 65.1386, 0.2719, 0.3438.

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

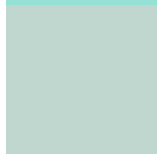
65.0128, 0.2608, 0.3074

Trichromacy



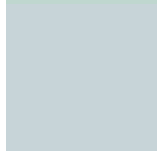
Original Color

65.1386, 0.2719, 0.3438



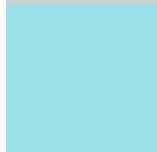
Protanomaly

64.1822, 0.3008, 0.3384



Deuteranomaly

64.1869, 0.3006, 0.3243



Tritanomaly

64.8257, 0.2646, 0.3192

Monochromacy



Original Color

65.1386, 0.2719, 0.3438



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.4460, 0.2957, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1386, 0.2719, 0.3438 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(150, 225, 213)` looks like.

```
.text, #text, p{  
    color:rgb(150, 225, 213)  
}
```

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(150, 225, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 225, 213) }
```

Border

The CSS property to change the border of an element to Yxy 65.1386, 0.2719, 0.3438 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(150, 225, 213) }
```

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

```
.border{ border-color:rgb(150, 225, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 225, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 225, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 225, 213);  
box-shadow:4px 4px 4px 4px rgb(150, 225,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1386, 0.2719, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 225, 213) }
```

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

```
.background{ background-color: rgb(150,  
225, 213) }
```

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