

Converting Colors

$Yxy(66.3412, 0.2731, 0.3368)$

Have a look what the booklet for
Yxy(66.3412, 0.2731, 0.3368)
contains.

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Color

Yxy(66.2340, 0.2731, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	9EE1DB
RGB	158, 225, 219
RGB Percent	62%, 88%, 86%
CMY	0.3806, 0.1176, 0.1411
CMYK	0.30, 0.00, 0.03, 0.12
HSL	175°, 53%, 75%
HSV	175°, 30%, 88%
XYZ	53.8028, 66.2340, 76.9709
YIQ	204.2830, -38.0060, -16.0700

Conversions

Conversions Part 2

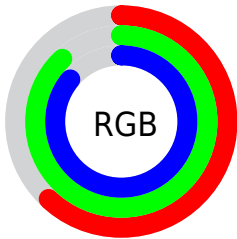
Format	Color
RYB	158, 193, 225
Decimal	10412507
CIELab	85.12, -22.23, -3.83
CIELCh	85, 22.559, 189.765
Yxy	66.2340, 0.2731, 0.3362
Android (android.graphics.Color)	4288602587 (0xFF9EE1DB)
YUV	204.2830, 7.2555, -40.5902
Hunter-Lab	81.3843, -24.4169, 0.8942

Details

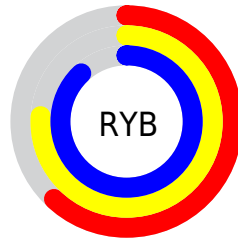
The Yxy color **66.2340, 0.2731, 0.3362** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1203, 0.3732, 0.3221**, and the grayscale version is **60.5365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **34.3728, 0.2639, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **64.0555, 0.2620, 0.3390**, and if you desaturate by 10%, it is **68.8368, 0.2855, 0.3336**.

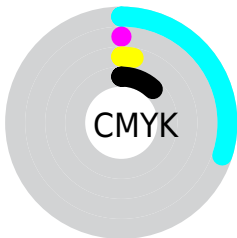
Distribution



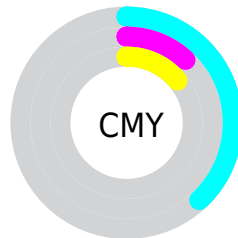
- Red (62%)
- Green (88%)
- Blue (86%)



- Red (62%)
- Yellow (76%)
- Blue (88%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)




- Cyan (38%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2340, 0.2731, 0.3362 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 66.2340, 0.2731, 0.3362 by changing the saturation by 10% instead.


 66.2340, 0.2731,
0.3362

 66.2340, 0.2731,
0.3362


447.2133, 0.2916,
0.3330

 48.4624, 0.2688,
0.3369


 113.8221, 0.2795,
0.3351

 34.1932, 0.2636,
0.3377


 144.4074, 0.2820,
0.3347

 23.0421, 0.2569,
0.3387


180.0327, 0.2842,
0.3343

 14.6246, 0.2480,
0.3400

221.0824, 0.2861,
0.3340

 8.5563, 0.2360,
0.3416

267.9410, 0.2877,
0.3337

 4.4529, 0.2184,
0.3436

320.9927, 0.2891,

 1.9300, 0.1909,

0.3335

380.6220, 0.2904,
0.3332

0.3459

0.5663, 0.0000,
0.3904

0.0000, 0.0000,
0.0000

66.2340, 0.2731,
0.3362

66.2340, 0.2731,
0.3362

64.0555, 0.2620,
0.3390

68.8368, 0.2855,
0.3336

62.2705, 0.2525,
0.3419


71.8769, 0.2989,
0.3312


60.8567, 0.2448,
0.3449


75.3769, 0.3130,
0.3290

59.7860, 0.2390,
0.3480


79.3550, 0.3275,
0.3270

 59.0269, 0.2351,
0.3510


 80.7811, 0.3312,
0.3250


 58.5413, 0.2331,
0.3541


 80.8944, 0.3299,
0.3230

 58.2649, 0.2326,
0.3571

 81.0090, 0.3285,
0.3210

 58.2603, 0.2326,
0.3572

 81.1250, 0.3271,
0.3190

 81.2422, 0.3258,
0.3171

Harmonies

Analogous

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



66.2340, 0.2958, 0.3613



66.2340, 0.2731, 0.3362



66.2340, 0.2610, 0.3102

Triad

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



66.2340, 0.2731, 0.3362



66.2340, 0.2999, 0.2861



66.2340, 0.3657, 0.3648

Complementary

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



66.2340, 0.2731, 0.3362



43.1203, 0.3732, 0.3221

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.



66.2340, 0.3673, 0.3438



66.2340, 0.2731, 0.3362



66.2340, 0.3283, 0.2996

Square

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



66.2340, 0.2731, 0.3362



66.2340, 0.2759, 0.2828



66.2340, 0.3534, 0.3203



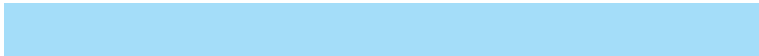
66.2340, 0.3495, 0.3775

Rectangle

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



66.2340, 0.2731, 0.3362



66.2340, 0.2602, 0.2963



66.2340, 0.3534, 0.3203



66.2340, 0.3680, 0.3585

Sweetspot

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



66.2367, 0.2731, 0.3362



95.7725, 0.2999, 0.3310



64.2868, 0.3132, 0.4148



20.3632, 0.2979, 0.3313



0.0000, 0.0000, 0.0000



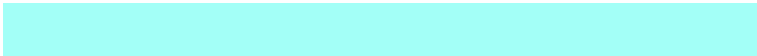
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2367, 0.2731, 0.3362



86.0293, 0.2658, 0.3380



53.1721, 0.2661, 0.2953



15.5501, 0.2994, 0.3311



33.5758, 0.2324, 0.3567



2.3336, 0.2311, 0.3520

Inverse Universe

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



43.1203, 0.3732, 0.3221



50.4819, 0.3922, 0.3206



53.0775, 0.3702, 0.3604



13.7204, 0.3278, 0.3269



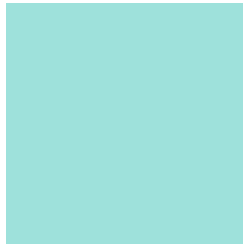
9.2610, 0.6296, 0.3242



0.6489, 0.6030, 0.3096

Previews

White Background



This preview shows how the Yxy color 66.2340, 0.2731, 0.3362 looks on a white background.

Color Contrast Check

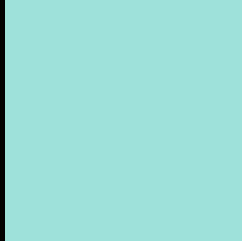
Large Text (above 18pt) WCAG AA × Fail

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 66.2340, 0.2731, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

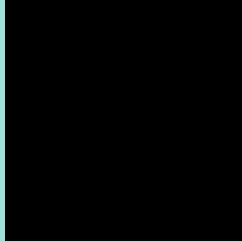
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

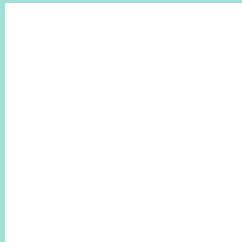
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.2340, 0.2731, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 66.2340, 0.2731, 0.3362.

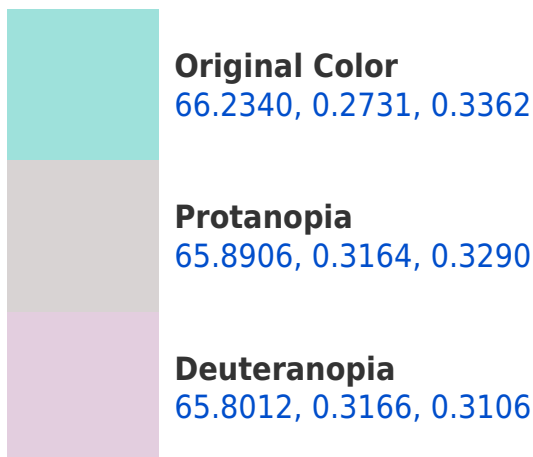


This preview shows how white text looks on a background with the Yxy color 66.2340, 0.2731, 0.3362.

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

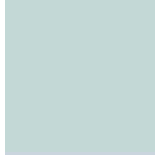
66.3204, 0.2643, 0.3077

Trichromacy



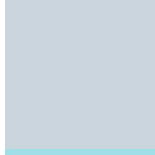
Original Color

66.2340, 0.2731, 0.3362



Protanomaly

65.5689, 0.2991, 0.3313



Deuteranomaly

65.4190, 0.2988, 0.3187



Tritanomaly

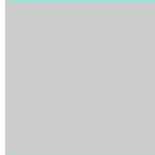
66.1786, 0.2675, 0.3181

Monochromacy



Original Color

66.2340, 0.2731, 0.3362



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.2552, 0.2967, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2340, 0.2731, 0.3362 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(158, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(158, 225, 219)  
}
```

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(158, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 225, 219) }
```

Border

The CSS property to change the border of an element to Yxy 66.2340, 0.2731, 0.3362 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(158, 225, 219) }
```

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

```
.border{ border-color:rgb(158, 225, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 225, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 225, 219);  
box-shadow:4px 4px 4px 4px rgb(158, 225,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2340, 0.2731, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 225, 219) }
```

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

```
.background{ background-color: rgb(158,  
225, 219) }
```

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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