

Converting Colors

$Y_{xy}(69.2253, 0.2726, 0.3358)$

Have a look what the booklet for
Yxy(69.2253, 0.2726, 0.3358)
contains.

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Color

Yxy(69.5525, 0.2727, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	A1E6E0
RGB	161, 230, 224
RGB Percent	63%, 90%, 88%
CMY	0.3687, 0.0980, 0.1214
CMYK	0.30, 0.00, 0.03, 0.10
HSL	175°, 58%, 77%
HSV	175°, 30%, 90%
XYZ	56.4493, 69.5525, 80.9997
YIQ	208.6850, -39.1980, -16.4940

Conversions

Conversions Part 2

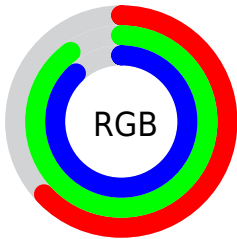
Format	Color
RYB	161, 197, 230
Decimal	10610400
CIELab	86.78, -22.72, -4.02
CIELCh	87, 23.072, 190.029
Yxy	69.5525, 0.2727, 0.3360
Android (android.graphics.Color)	4288800480 (0xFFA1E6E0)
YUV	208.6850, 7.5503, -41.8197
Hunter-Lab	83.3981, -25.1263, 0.7938

Details

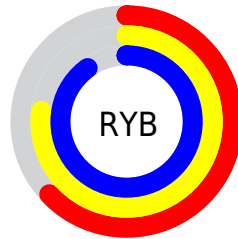
The Yxy color **69.5525, 0.2727, 0.3360** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0921, 0.3741, 0.3223**, and the grayscale version is **63.5131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **36.2625, 0.2634, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **67.2747, 0.2616, 0.3387**, and if you desaturate by 10%, it is **72.2766, 0.2851, 0.3335**.

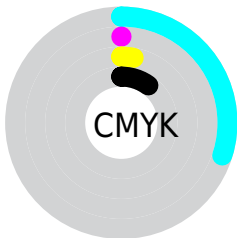
Distribution



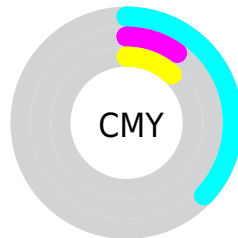
- Red (63%)
- Green (90%)
- Blue (88%)



- Red (63%)
- Yellow (77%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (37%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5525, 0.2727, 0.3360 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 69.5525, 0.2727, 0.3360 by changing the saturation by 10% instead.

 69.5525, 0.2727,
0.3360


 69.5525, 0.2727,
0.3360


458.9772, 0.2912,
0.3330

 51.1618, 0.2685,
0.3366


 118.5704, 0.2791,
0.3350

 36.3374, 0.2633,
0.3374


 149.9663, 0.2816,
0.3346

 24.6949, 0.2567,
0.3384


186.4661, 0.2838,
0.3342

 15.8499, 0.2481,
0.3395

228.4542, 0.2856,
0.3339

 9.4180, 0.2364,
0.3410

276.3150, 0.2873,
0.3336

 5.0148, 0.2196,
0.3428

330.4328, 0.2887,

 2.2560, 0.1937,

0.3334

391.1921, 0.2900,
0.3332

0.3449

0.7502, 0.0787,
0.3727

0.0000, 0.0000,
0.0000

69.5525, 0.2727,
0.3360

69.5525, 0.2727,
0.3360

67.2747, 0.2616,
0.3387

72.2766, 0.2851,
0.3335

65.4108, 0.2521,
0.3415

75.4610, 0.2985,
0.3311


63.9369, 0.2444,
0.3444

79.1291, 0.3127,
0.3290


62.8238, 0.2386,
0.3474


83.3006, 0.3273,
0.3271

 62.0376, 0.2348,
0.3503

 83.7961, 0.3274,
0.3251


 61.5382, 0.2328,
0.3533

 83.9109, 0.3261,
0.3232

 61.2568, 0.2323,
0.3562

 84.0270, 0.3248,
0.3212

 84.1445, 0.3235,
0.3193

 84.2632, 0.3222,
0.3174

Harmonies

Analogous

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



69.5525, 0.2954, 0.3613



69.5525, 0.2727, 0.3360



69.5525, 0.2607, 0.3099

Triad

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



69.5525, 0.2727, 0.3360



69.5525, 0.3000, 0.2859



69.5525, 0.3660, 0.3652

Complementary

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



69.5525, 0.2727, 0.3360



45.0921, 0.3741, 0.3223

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.



69.5525, 0.3677, 0.3441



69.5525, 0.2727, 0.3360



69.5525, 0.3287, 0.2996

Square

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



69.5525, 0.2727, 0.3360



69.5525, 0.2759, 0.2825



69.5525, 0.3539, 0.3204



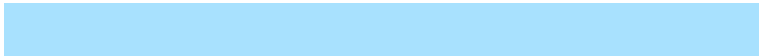
69.5525, 0.3495, 0.3779

Rectangle

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



69.5525, 0.2727, 0.3360



69.5525, 0.2599, 0.2960



69.5525, 0.3539, 0.3204



69.5525, 0.3684, 0.3588

Sweetspot

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



69.5553, 0.2727, 0.3360



95.7771, 0.2999, 0.3309



67.4805, 0.3132, 0.4156



20.3643, 0.2978, 0.3313



0.0000, 0.0000, 0.0000



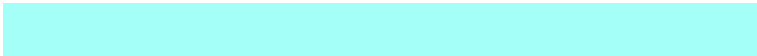
21.4041, 0.3127, 0.3290

Same Dimension

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



69.5553, 0.2727, 0.3360



86.0474, 0.2657, 0.3376



55.7135, 0.2657, 0.2950



16.3138, 0.2993, 0.3310



34.6873, 0.2321, 0.3557



2.5696, 0.2310, 0.3514

Inverse Universe

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



45.0921, 0.3741, 0.3223



50.4707, 0.3925, 0.3209



55.6138, 0.3707, 0.3606



14.3881, 0.3279, 0.3270



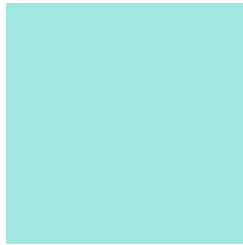
9.5599, 0.6302, 0.3245



0.7135, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 69.5525, 0.2727, 0.3360 looks on a white background.

Color Contrast Check

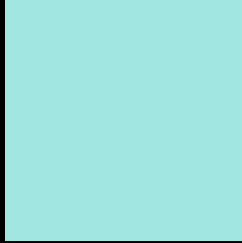
Large Text (above 18pt) WCAG AA × Fail

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 69.5525, 0.2727, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

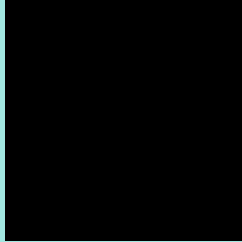
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

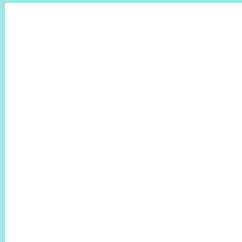
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.5525, 0.2727, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 69.5525, 0.2727, 0.3360.



This preview shows how white text looks on a background with the Yxy color 69.5525, 0.2727, 0.3360.

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

69.5525, 0.2727, 0.3360

Protanopia

68.7744, 0.3157, 0.3279

Deuteranopia

68.8504, 0.3166, 0.3099



Tritanopia

69.6377, 0.2641, 0.3081

Trichromacy



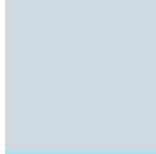
Original Color

69.5525, 0.2727, 0.3360



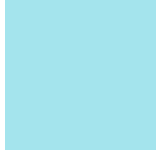
Protanomaly

68.4430, 0.2987, 0.3301



Deuteranomaly

68.2936, 0.2984, 0.3178



Tritanomaly

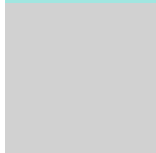
69.4937, 0.2673, 0.3184

Monochromacy



Original Color

69.5525, 0.2727, 0.3360



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.6872, 0.2970, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5525, 0.2727, 0.3360 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(161, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 224)  
}
```

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(161, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 224) }
```

Border

The CSS property to change the border of an element to Yxy 69.5525, 0.2727, 0.3360 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(161, 230, 224) }
```

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

```
.border{ border-color:rgb(161, 230, 224) }
```

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

Here you see how a box with a 4 pixel rgb(161, 230, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5525, 0.2727, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 224) }
```

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

```
.background{ background-color: rgb(161,  
230, 224) }
```

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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