

Converting Colors

$Yxy(65.5211, 0.2858, 0.3981)$

Have a look what the booklet for
Yxy(65.5211, 0.2858, 0.3981)
contains.

Yxy(65.2969, 0.2856, 0.3969)	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(65.2969, 0.2856, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	8BE6B2
RGB	139, 230, 178
RGB Percent	55%, 90%, 70%
CMY	0.4546, 0.0981, 0.3020
CMYK	0.40, 0.00, 0.23, 0.10
HSL	146°, 65%, 72%
HSV	146°, 40%, 90%
XYZ	46.9861, 65.2969, 52.2342
YIQ	196.8630, -37.5440, -35.4640

Conversions

Conversions Part 2

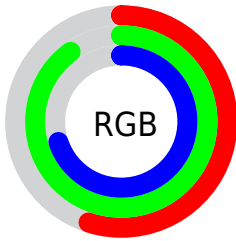
Format	Color
RYB	139, 203, 230
Decimal	9168562
CIELab	84.64, -38.43, 16.95
CIELCh	85, 42.000, 156.204
Yxy	65.2969, 0.2856, 0.3969
Android (android.graphics.Color)	4287358642 (0xFF8BE6B2)
YUV	196.8630, -9.2995, -50.7459
Hunter-Lab	80.8065, -37.6199, 18.2388

Details

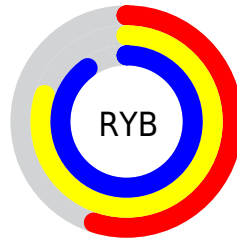
The Yxy color **65.2969, 0.2856, 0.3969** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.0719, 0.3548, 0.2703**, and the grayscale version is **55.8309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1963, 0.2892, 0.3515**, and **33.6376, 0.2782, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **63.0191, 0.2805, 0.4180**, and if you desaturate by 10%, it is **68.0473, 0.2917, 0.3772**.

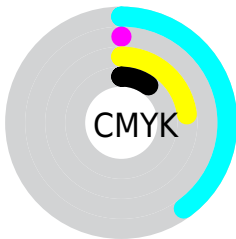
Distribution



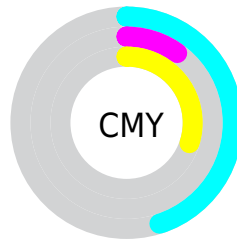
- Red (55%)
- Green (90%)
- Blue (70%)



- Red (55%)
- Yellow (80%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2969, 0.2856, 0.3969 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 65.2969, 0.2856, 0.3969 by changing the saturation by 10% instead.


 65.2969, 0.2856,
0.3969


 65.2969, 0.2856,
0.3969


443.8581, 0.2991,
0.3633

 47.7019, 0.2822,
0.4051


 112.4766, 0.2905,
0.3848

 33.5908, 0.2780,
0.4156


 142.8301, 0.2923,
0.3802

 22.5795, 0.2723,
0.4294


178.2051, 0.2939,
0.3764

 14.2833, 0.2645,
0.4484

218.9862, 0.2952,
0.3730

 8.3180, 0.2530,
0.4758

265.5576, 0.2964,
0.3701

 4.2991, 0.2347,
0.5191

318.3038, 0.2974,

 1.8422, 0.1991,

0.3676

0.6093

377.6092, 0.2983,
0.3653

■ 0.5133, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2969, 0.2856,
0.3969

■ 65.2969, 0.2856,
0.3969

■ 63.0191, 0.2805,
0.4180

■ 68.0473, 0.2917,
0.3772

■ 61.1781, 0.2767,
0.4402


■ 71.2875, 0.2985,
0.3592


■ 59.7458, 0.2746,
0.4628


■ 75.0439, 0.3057,
0.3429


■ 58.6870, 0.2744,
0.4851


■ 79.3384, 0.3131,
0.3284

 57.9606, 0.2761,
0.5063

 84.1917, 0.3204,
0.3155

 57.4999, 0.2795,
0.5258

 85.0715, 0.3138,
0.3048

 57.4814, 0.2796,
0.5266

Harmonies

Analogous

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



65.2969, 0.3370, 0.4230



65.2969, 0.2856, 0.3969



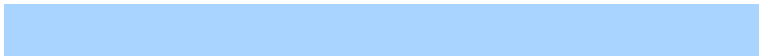
65.2969, 0.2438, 0.3475

Triad

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



65.2969, 0.2856, 0.3969



65.2969, 0.2415, 0.2463



65.2969, 0.4141, 0.3476

Complementary

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



65.2969, 0.2856, 0.3969



39.0719, 0.3548, 0.2703

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.



65.2969, 0.3844, 0.3070



65.2969, 0.2856, 0.3969



65.2969, 0.2820, 0.2511

Square

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



65.2969, 0.2856, 0.3969



65.2969, 0.2203, 0.2613



65.2969, 0.3344, 0.2728



65.2969, 0.4133, 0.3876

Rectangle

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



65.2969, 0.2856, 0.3969



65.2969, 0.2261, 0.3125



65.2969, 0.3344, 0.2728



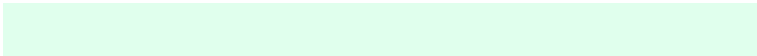
65.2969, 0.4073, 0.3338

Sweetspot

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



65.2996, 0.2856, 0.3969



93.5747, 0.3039, 0.3468



69.6781, 0.3433, 0.4371



19.8920, 0.3029, 0.3489



0.0000, 0.0000, 0.0000



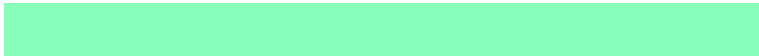
21.4041, 0.3127, 0.3290

Same Dimension

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



65.2996, 0.2856, 0.3969



80.2472, 0.2815, 0.4131



67.3825, 0.2620, 0.3382



16.1910, 0.3058, 0.3428



32.5673, 0.2788, 0.5237



2.4249, 0.2708, 0.4949

Inverse Universe

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



39.0719, 0.3548, 0.2703



42.9756, 0.3666, 0.2592



37.4020, 0.4037, 0.3205



14.5055, 0.3203, 0.3156



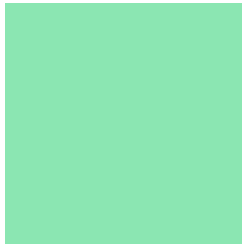
10.4858, 0.4651, 0.2336



0.7934, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 65.2969, 0.2856, 0.3969 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 65.2969, 0.2856, 0.3969 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 65.2969, 0.2856, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 65.2969, 0.2856, 0.3969.

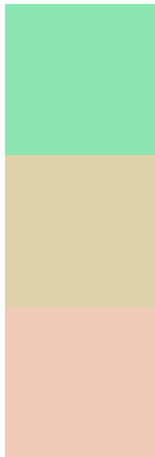


This preview shows how white text looks on a background with the Yxy color 65.2969, 0.2856, 0.3969.

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

65.2969, 0.2856, 0.3969

Protanopia

64.6083, 0.3531, 0.3768

Deuteranopia

64.2270, 0.3567, 0.3487



Tritanopia

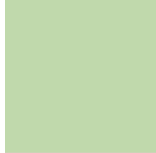
65.3061, 0.2588, 0.3074

Trichromacy



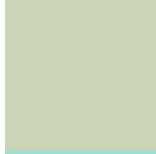
Original Color

65.2969, 0.2856, 0.3969



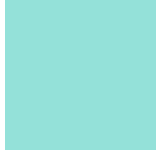
Protanomaly

63.8107, 0.3247, 0.3837



Deuteranomaly

63.1609, 0.3268, 0.3646



Tritanomaly

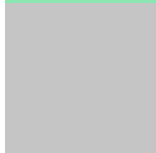
65.1561, 0.2686, 0.3388

Monochromacy



Original Color

65.2969, 0.2856, 0.3969



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.5487, 0.3013, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2969, 0.2856, 0.3969 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(139, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(139, 230, 178)  
}
```

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(139, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 230, 178) }
```

Border

The CSS property to change the border of an element to Yxy 65.2969, 0.2856, 0.3969 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(139, 230, 178) }
```

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

```
.border{ border-color:rgb(139, 230, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 230, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 230, 178);  
box-shadow:4px 4px 4px 4px rgb(139, 230,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2969, 0.2856, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 230, 178) }
```

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

```
.background{ background-color: rgb(139,  
230, 178) }
```

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