

Converting Colors

Yxy(64.9965, 0.2842, 0.3968)

Have a look what the booklet for
Yxy(64.9965, 0.2842, 0.3968)
contains.

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Color

Yxy(65.1263, 0.2844, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	89E6B2
RGB	137, 230, 178
RGB Percent	54%, 90%, 70%
CMY	0.4630, 0.0980, 0.3019
CMYK	0.40, 0.00, 0.23, 0.10
HSL	146°, 65%, 72%
HSV	146°, 40%, 90%
XYZ	46.6430, 65.1263, 52.2355
YIQ	196.2650, -38.7360, -35.8880

Conversions

Conversions Part 2

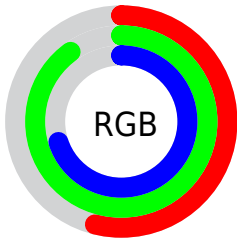
Format	Color
RYB	137, 202, 230
Decimal	9037490
CIELab	84.55, -39.02, 16.79
CIELCh	85, 42.477, 156.712
Yxy	65.1263, 0.2844, 0.3971
Android (android.graphics.Color)	4287227570 (0xFF89E6B2)
YUV	196.2650, -9.0046, -51.9754
Hunter-Lab	80.7009, -38.0583, 18.1138

Details

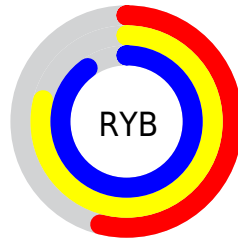
The Yxy color **65.1263, 0.2844, 0.3971** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.3729, 0.3575, 0.2703**, and the grayscale version is **55.4361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9298, 0.2880, 0.3516**, and **33.5021, 0.2764, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **62.8965, 0.2793, 0.4178**, and if you desaturate by 10%, it is **67.8241, 0.2906, 0.3777**.

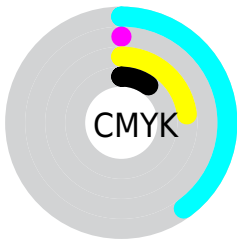
Distribution



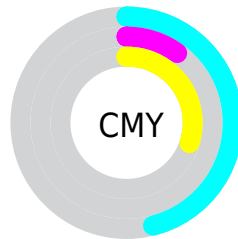
- Red (54%)
- Green (90%)
- Blue (70%)



- Red (54%)
- Yellow (79%)
- Blue (90%)



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



- Cyan (46%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1263, 0.2844, 0.3971 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 65.1263, 0.2844, 0.3971 by changing the saturation by 10% instead.

 65.1263, 0.2844,
0.3971

 65.1263, 0.2844,
0.3971


443.2457, 0.2985,
0.3634


 47.5635, 0.2809,
0.4054


 112.2314, 0.2895,
0.3850

 33.4813, 0.2765,
0.4159


 142.5425, 0.2914,
0.3804

 22.4954, 0.2706,
0.4298


 177.8719, 0.2931,
0.3765

 14.2214, 0.2624,
0.4488

218.6038, 0.2945,
0.3731

 8.2748, 0.2506,
0.4765

265.1228, 0.2957,
0.3702

 4.2713, 0.2316,
0.5200

317.8131, 0.2967,

 1.8264, 0.1938,

0.3677

0.6120

377.0593, 0.2977,
0.3654

0.5036, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.1263, 0.2844,
0.3971

65.1263, 0.2844,
0.3971

62.8965, 0.2793,
0.4178

67.8241, 0.2906,
0.3777

61.0987, 0.2755,
0.4395


71.0073, 0.2975,
0.3600


59.7046, 0.2735,
0.4616

74.7023, 0.3048,
0.3439

58.6789, 0.2734,
0.4834

78.9310, 0.3124,
0.3296

 57.9795, 0.2752,
0.5042

 83.7141, 0.3199,
0.3169

 57.5496, 0.2785,
0.5225

 85.0804, 0.3138,
0.3049

Harmonies

Analogous

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



65.1263, 0.3363, 0.4241



65.1263, 0.2844, 0.3971



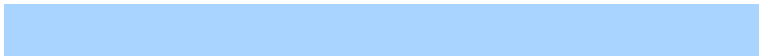
65.1263, 0.2424, 0.3467

Triad

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



65.1263, 0.2844, 0.3971



65.1263, 0.2413, 0.2453



65.1263, 0.4156, 0.3485

Complementary

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



65.1263, 0.2844, 0.3971



38.3729, 0.3575, 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.



65.1263, 0.3860, 0.3073



65.1263, 0.2844, 0.3971



65.1263, 0.2824, 0.2505

Square

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



65.1263, 0.2844, 0.3971



65.1263, 0.2195, 0.2600



65.1263, 0.3356, 0.2726



65.1263, 0.4142, 0.3888

Rectangle

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



65.1263, 0.2844, 0.3971



65.1263, 0.2248, 0.3114



65.1263, 0.3356, 0.2726



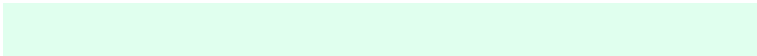
65.1263, 0.4089, 0.3345

Sweetspot

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



65.1290, 0.2844, 0.3971



93.5985, 0.3036, 0.3464



69.3115, 0.3427, 0.4402



19.8976, 0.3027, 0.3485



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.



65.1290, 0.2844, 0.3971



79.7802, 0.2798, 0.4153



67.2856, 0.2602, 0.3365



16.1943, 0.3056, 0.3424



32.6011, 0.2777, 0.5195



2.4275, 0.2697, 0.4910

Inverse Universe

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



38.3729, 0.3575, 0.2703



41.4026, 0.3717, 0.2580



36.6887, 0.4086, 0.3221



14.5022, 0.3205, 0.3159



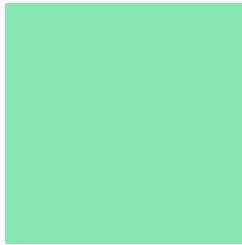
10.4393, 0.4707, 0.2366



0.7900, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 65.1263, 0.2844, 0.3971 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 65.1263, 0.2844, 0.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

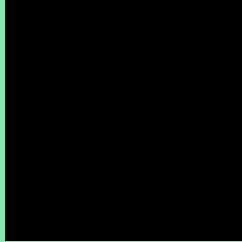
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1263, 0.2844, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 65.1263, 0.2844, 0.3971.



This preview shows how white text looks on a background with the Yxy color 65.1263, 0.2844, 0.3971.

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

65.1263, 0.2844, 0.3971

Protanopia

64.1161, 0.3533, 0.3757

Deuteranopia

64.0525, 0.3559, 0.3487



Tritanopia

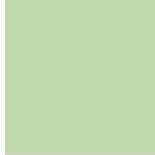
65.1131, 0.2578, 0.3074

Trichromacy



Original Color

65.1263, 0.2844, 0.3971



Protanomaly

63.8107, 0.3247, 0.3837



Deuteranomaly

63.0209, 0.3260, 0.3647



Tritanomaly

64.9712, 0.2675, 0.3388

Monochromacy



Original Color

65.1263, 0.2844, 0.3971



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.8998, 0.3013, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1263, 0.2844, 0.3971 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(137, 230, 178)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 230, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 230, 178) }
```

Border

The CSS property to change the border of an element to Yxy 65.1263, 0.2844, 0.3971 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(137, 230, 178) }
```

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

```
.border{ border-color:rgb(137, 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(137, 230, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 230, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 230, 178);  
box-shadow:4px 4px 4px 4px rgb(137, 230,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1263, 0.2844, 0.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 230, 178) }
```

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

```
.background{ background-color: rgb(137,  
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](#).

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