

Converting Colors

$Yxy(64.1919, 0.2878, 0.4030)$

Have a look what the booklet for
Yxy(64.1919, 0.2878, 0.4030)
contains.

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Color

Yxy(64.4205, 0.2882, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	8AE5AC
RGB	138, 229, 172
RGB Percent	54%, 90%, 67%
CMY	0.4590, 0.1019, 0.3254
CMYK	0.40, 0.00, 0.25, 0.10
HSL	142°, 64%, 72%
HSV	142°, 40%, 90%
XYZ	45.9440, 64.4205, 49.0527
YIQ	195.2930, -35.9390, -37.0190

Conversions

Conversions Part 2

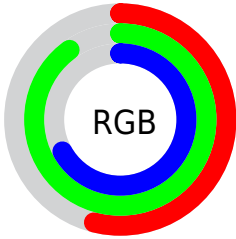
Format	Color
RYB	138, 204, 229
Decimal	9102764
CIELab	84.18, -39.42, 19.41
CIELCh	84, 43.944, 153.785
Yxy	64.4205, 0.2882, 0.4041
Android (android.graphics.Color)	4287292844 (0xFF8AE5AC)
YUV	195.2930, -11.4834, -50.2460
Hunter-Lab	80.2624, -38.2816, 19.9483

Details

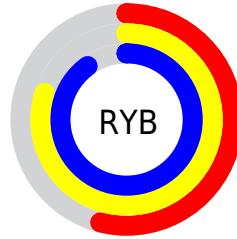
The Yxy color **64.4205, 0.2882, 0.4041** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.7645, 0.3500, 0.2648**, and the grayscale version is **54.8405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5908, 0.2912, 0.3582**, and **33.0822, 0.2808, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **62.1505, 0.2836, 0.4274**, and if you desaturate by 10%, it is **67.1670, 0.2937, 0.3824**.

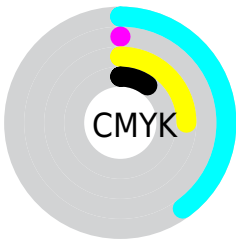
Distribution



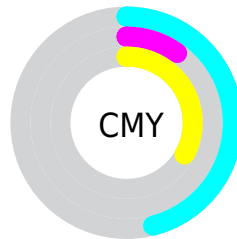
- Red (54%)
- Green (90%)
- Blue (67%)



- Red (54%)
- Yellow (80%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4205, 0.2882, 0.4041 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 64.4205, 0.2882, 0.4041 by changing the saturation by 10% instead.


 64.4205, 0.2882,
0.4041


 64.4205, 0.2882,
0.4041


440.7066, 0.3007,
0.3668

 46.9913, 0.2850,
0.4133


 111.2163, 0.2928,
0.3906

 33.0288, 0.2809,
0.4251


 141.3517, 0.2945,
0.3855

 22.1485, 0.2755,
0.4406


 176.4914, 0.2959,
0.3812

 13.9661, 0.2678,
0.4620

217.0196, 0.2972,
0.3775

 8.0971, 0.2563,
0.4931

263.3209, 0.2982,
0.3743

 4.1571, 0.2375,
0.5423

315.7795, 0.2991,

 1.7618, 0.2004,

0.3715

0.6662

374.7799, 0.3000,
0.3690

0.4632, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.4205, 0.2882,
0.4041

64.4205, 0.2882,
0.4041

62.1505, 0.2836,
0.4274

67.1670, 0.2937,
0.3824

60.3211, 0.2803,
0.4517


70.4076, 0.2998,
0.3625

58.9037, 0.2786,
0.4762

74.1687, 0.3063,
0.3446

57.8633, 0.2787,
0.5001


78.4724, 0.3129,
0.3286

 57.1580, 0.2806,
0.5224

 83.3398, 0.3194,
0.3146

 56.7192, 0.2840,
0.5422

 84.5234, 0.3139,
0.3039

 56.7099, 0.2841,
0.5426

Harmonies

Analogous

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



64.4205, 0.3422, 0.4288



64.4205, 0.2882, 0.4041



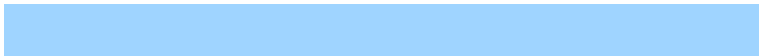
64.4205, 0.2432, 0.3529

Triad

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



64.4205, 0.2882, 0.4041



64.4205, 0.2356, 0.2429



64.4205, 0.4179, 0.3446

Complementary

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



64.4205, 0.2882, 0.4041



38.7645, 0.3500, 0.2648

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.



64.4205, 0.3844, 0.3025



64.4205, 0.2882, 0.4041



64.4205, 0.2763, 0.2465

Square

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



64.4205, 0.2882, 0.4041



64.4205, 0.2153, 0.2600



64.4205, 0.3308, 0.2678



64.4205, 0.4195, 0.3868

Rectangle

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



64.4205, 0.2882, 0.4041



64.4205, 0.2237, 0.3156



64.4205, 0.3308, 0.2678



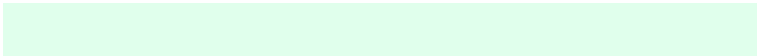
64.4205, 0.4100, 0.3302

Sweetspot

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



64.4232, 0.2882, 0.4041



93.4785, 0.3048, 0.3485



69.5631, 0.3468, 0.4365



19.8694, 0.3039, 0.3508



0.0000, 0.0000, 0.0000



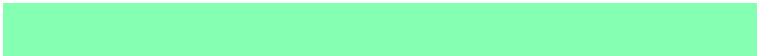
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4232, 0.2882, 0.4041



79.7039, 0.2842, 0.4239



66.4467, 0.2641, 0.3440



16.1779, 0.3065, 0.3441



32.4426, 0.2833, 0.5397



2.4149, 0.2750, 0.5101

Inverse Universe

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



38.7645, 0.3500, 0.2648



42.5398, 0.3614, 0.2516



37.0319, 0.3992, 0.3151



14.5190, 0.3195, 0.3144



10.6880, 0.4431, 0.2215



0.8077, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 64.4205, 0.2882, 0.4041 looks on a white background.

Color Contrast Check

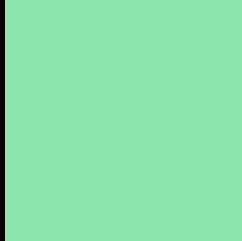
Large Text (above 18pt) WCAG AA × Fail

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 64.4205, 0.2882, 0.4041 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 64.4205, 0.2882, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 64.4205, 0.2882, 0.4041.

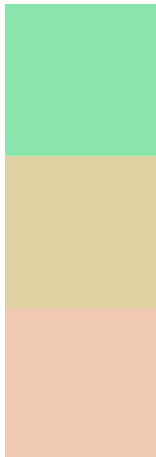


This preview shows how white text looks on a background with the Yxy color 64.4205, 0.2882, 0.4041.

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

64.4205, 0.2882, 0.4041

Protanopia

63.8975, 0.3578, 0.3826

Deuteranopia

63.5129, 0.3617, 0.3542



Tritanopia

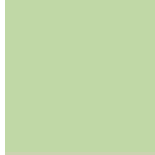
64.1318, 0.2595, 0.3073

Trichromacy



Original Color

64.4205, 0.2882, 0.4041



Protanomaly

63.0714, 0.3289, 0.3901



Deuteranomaly

62.4196, 0.3312, 0.3707



Tritanomaly

63.9263, 0.2700, 0.3401

Monochromacy



Original Color

64.4205, 0.2882, 0.4041



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.2122, 0.3019, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4205, 0.2882, 0.4041 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(138, 229, 172)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 172)  
}
```

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(138, 229, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 172) }
```

Border

The CSS property to change the border of an element to Yxy 64.4205, 0.2882, 0.4041 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(138, 229, 172) }
```

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

```
.border{ border-color:rgb(138, 229, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 229, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 229, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 229, 172); box-shadow:4px 4px 4px 4px rgb(138, 229, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4205, 0.2882, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 229, 172) }
```

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

```
.background{ background-color: rgb(138,  
229, 172) }
```

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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