

Converting Colors

$Yxy(64.1185, 0.2747, 0.3710)$

Have a look what the booklet for
Yxy(64.1185, 0.2747, 0.3710)
contains.

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Color

Yxy(64.1125, 0.2743, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	88E3C3
RGB	136, 227, 195
RGB Percent	53%, 89%, 76%
CMY	0.4664, 0.1098, 0.2353
CMYK	0.40, 0.00, 0.14, 0.11
HSL	159°, 62%, 71%
HSV	159°, 40%, 89%
XYZ	47.4786, 64.1125, 61.4988
YIQ	196.1430, -43.9640, -29.2440

Conversions

Conversions Part 2

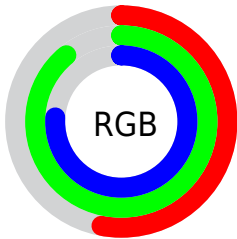
Format	Color
RYB	136, 191, 227
Decimal	8971203
CIELab	84.02, -34.41, 7.13
CIELCh	84, 35.146, 168.290
Yxy	64.1125, 0.2743, 0.3704
Android (android.graphics.Color)	4287161283 (0xFF88E3C3)
YUV	196.1430, -0.5635, -52.7454
Hunter-Lab	80.0703, -34.2794, 10.5109

Details

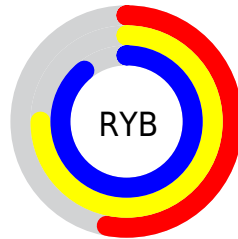
The Yxy color **64.1125, 0.2743, 0.3704** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.7835, 0.3774, 0.2919**, and the grayscale version is **55.3237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8857, 0.2783, 0.3321**, and **32.7544, 0.2644, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **62.0588, 0.2671, 0.3829**, and if you desaturate by 10%, it is **66.5932, 0.2827, 0.3587**.

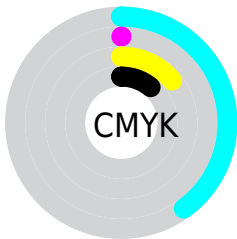
Distribution



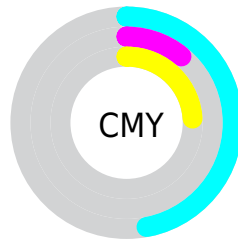
- Red (53%)
- Green (89%)
- Blue (76%)



- Red (53%)
- Yellow (75%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1125, 0.2743, 0.3704 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 64.1125, 0.2743, 0.3704 by changing the saturation by 10% instead.


 64.1125, 0.2743,
0.3704


 64.1125, 0.2743,
0.3704

439.5958, 0.2927,
0.3503


 46.7418, 0.2699,
0.3753

 110.7729, 0.2808,
0.3632

 32.8316, 0.2645,
0.3814


 140.8315, 0.2833,
0.3605

 21.9975, 0.2574,
0.3894


 175.8881, 0.2854,
0.3582

 13.8550, 0.2479,
0.4003

216.3271, 0.2873,
0.3561

 8.0199, 0.2346,
0.4159

262.5330, 0.2889,
0.3544

 4.1077, 0.2146,
0.4400


314.8902, 0.2903,

 1.7340, 0.1775,


0.3529


0.4844


373.7830, 0.2916,
0.3515


 0.4455, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 64.1125, 0.2743,
0.3704


 64.1125, 0.2743,
0.3704

 62.0588, 0.2671,
0.3829


 66.5932, 0.2827,
0.3587

 60.3985, 0.2616,
0.3961

 69.5168, 0.2921,
0.3478

 59.1052, 0.2578,
0.4096

 72.9078, 0.3022,
0.3380

 58.1460, 0.2561,
0.4233


 76.7865, 0.3126,
0.3291


 57.4817, 0.2564,
0.4369

 81.1722, 0.3233,
0.3211

 57.0466, 0.2584,
0.4501

 82.6626, 0.3218,
0.3134

 83.1556, 0.3166,
0.3058

 83.4163, 0.3140,
0.3019

Harmonies

Analogous

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



64.1125, 0.3161, 0.4015



64.1125, 0.2743, 0.3704



64.1125, 0.2441, 0.3270

Triad

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



64.1125, 0.2743, 0.3704



64.1125, 0.2645, 0.2580



64.1125, 0.4010, 0.3601

Complementary

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



64.1125, 0.2743, 0.3704



36.7835, 0.3774, 0.2919

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.



64.1125, 0.3857, 0.3245



64.1125, 0.2743, 0.3704



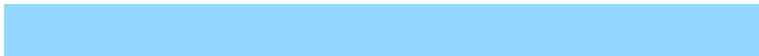
64.1125, 0.3043, 0.2681

Square

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



64.1125, 0.2743, 0.3704



64.1125, 0.2390, 0.2643



64.1125, 0.3493, 0.2919



64.1125, 0.3905, 0.3911

Rectangle

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



64.1125, 0.2743, 0.3704



64.1125, 0.2337, 0.2998



64.1125, 0.3493, 0.2919



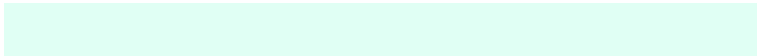
64.1125, 0.3987, 0.3483

Sweetspot

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



64.1151, 0.2743, 0.3704



93.9771, 0.3001, 0.3399



65.1948, 0.3292, 0.4438



19.9867, 0.2988, 0.3411



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.



64.1151, 0.2743, 0.3704



81.2240, 0.2683, 0.3807



59.3200, 0.2553, 0.3135



16.2457, 0.3028, 0.3374



33.2939, 0.2578, 0.4481



2.4778, 0.2524, 0.4286

Inverse Universe

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



36.7835, 0.3774, 0.2919



41.0473, 0.3978, 0.2846



39.3461, 0.4081, 0.3435



14.4513, 0.3237, 0.3208



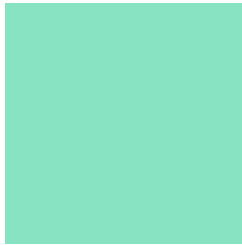
9.8810, 0.5564, 0.2839



0.7473, 0.5158, 0.2615

Previews

White Background



This preview shows how the Yxy color 64.1125, 0.2743, 0.3704 looks on a white background.

Color Contrast Check

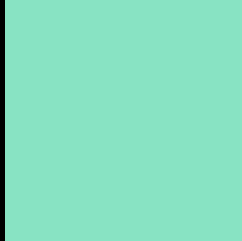
Large Text (above 18pt) WCAG AA × Fail

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 64.1125, 0.2743, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

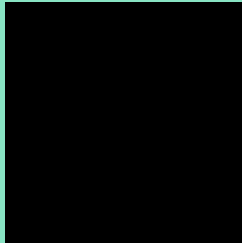
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

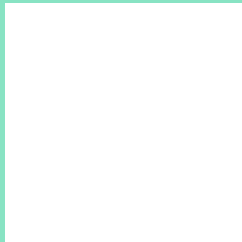
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1125, 0.2743, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 64.1125, 0.2743, 0.3704.

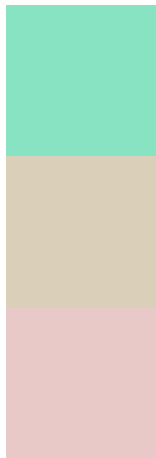


This preview shows how white text looks on a background with the Yxy color 64.1125, 0.2743, 0.3704.

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

64.1125, 0.2743, 0.3704

Protanopia

63.5200, 0.3370, 0.3554

Deuteranopia

63.0992, 0.3380, 0.3302



Tritanopia

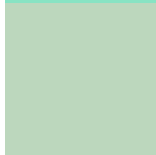
64.1479, 0.2560, 0.3072

Trichromacy



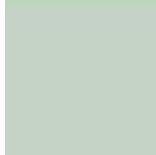
Original Color

64.1125, 0.2743, 0.3704



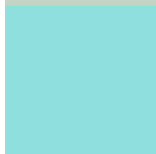
Protanomaly

62.9664, 0.3105, 0.3606



Deuteranomaly

62.0407, 0.3113, 0.3433



Tritanomaly

63.9427, 0.2625, 0.3289

Monochromacy



Original Color

64.1125, 0.2743, 0.3704



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.6098, 0.2959, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1125, 0.2743, 0.3704 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(136, 227, 195)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 195)  
}
```

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(136, 227, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 195) }
```

Border

The CSS property to change the border of an element to Yxy 64.1125, 0.2743, 0.3704 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(136, 227, 195) }
```

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

```
.border{ border-color:rgb(136, 227, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 227, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 227, 195); box-shadow:4px 4px 4px 4px rgb(136, 227, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1125, 0.2743, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 195) }
```

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

```
.background{ background-color: rgb(136,  
227, 195) }
```

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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