

Converting Colors

$Yxy(64.1518, 0.2761, 0.3728)$

Have a look what the booklet for
Yxy(64.1518, 0.2761, 0.3728)
contains.

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Color

Yxy(64.1917, 0.2764, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	8AE3C1
RGB	138, 227, 193
RGB Percent	54%, 89%, 76%
CMY	0.4591, 0.1097, 0.2431
CMYK	0.39, 0.00, 0.15, 0.11
HSL	157°, 61%, 72%
HSV	157°, 39%, 89%
XYZ	47.5673, 64.1917, 60.3368
YIQ	196.5130, -42.1300, -29.4420

Conversions

Conversions Part 2

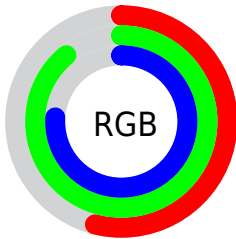
Format	Color
RYB	138, 193, 227
Decimal	9102273
CIELab	84.07, -34.34, 8.25
CIELCh	84, 35.322, 166.490
Yxy	64.1917, 0.2764, 0.3730
Android (android.graphics.Color)	4287292353 (0xFF8AE3C1)
YUV	196.5130, -1.7319, -51.3159
Hunter-Lab	80.1197, -34.2337, 11.4335

Details

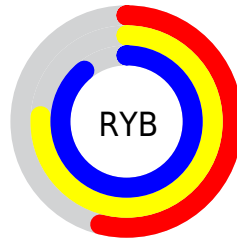
The Yxy color **64.1917, 0.2764, 0.3730** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.4665, 0.3726, 0.2896**, and the grayscale version is **55.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9617, 0.2809, 0.3353**, and **32.8289, 0.2676, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **62.0818, 0.2694, 0.3866**, and if you desaturate by 10%, it is **66.7341, 0.2846, 0.3603**.

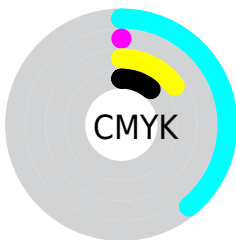
Distribution



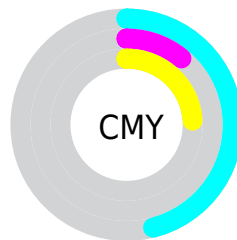
- Red (54%)
- Green (89%)
- Blue (76%)



- Red (54%)
- Yellow (76%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1917, 0.2764, 0.3730 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 64.1917, 0.2764, 0.3730 by changing the saturation by 10% instead.

 64.1917, 0.2764,
0.3730

 64.1917, 0.2764,
0.3730

439.8816, 0.2939,
0.3516

 46.8060, 0.2722,
0.3782


 110.8870, 0.2826,
0.3653

 32.8823, 0.2670,
0.3848


 140.9653, 0.2850,
0.3624

 22.0363, 0.2603,
0.3933


 176.0432, 0.2870,
0.3599

 13.8836, 0.2512,
0.4050


216.5053, 0.2887,
0.3578

 8.0397, 0.2384,
0.4218

262.7357, 0.2903,
0.3559

 4.1204, 0.2189,
0.4480

315.1190, 0.2916,

 1.7411, 0.1828,

0.3543

0.4961

374.0395, 0.2928,
0.3528

0.4501, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.1917, 0.2764,
0.3730

64.1917, 0.2764,
0.3730

62.0818, 0.2694,
0.3866

66.7341, 0.2846,
0.3603

60.3707, 0.2639,
0.4009


69.7247, 0.2937,
0.3486


59.0323, 0.2603,
0.4157


73.1881, 0.3034,
0.3379


58.0341, 0.2586,
0.4307


77.1444, 0.3135,
0.3283


 57.3373, 0.2590,
0.4455


 81.6130, 0.3236,
0.3198

 56.8808, 0.2612,
0.4600

 82.7995, 0.3204,
0.3114

 56.8502, 0.2614,
0.4611

 83.3414, 0.3148,
0.3032

 83.4266, 0.3140,
0.3019

Harmonies

Analogous

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



64.1917, 0.3188, 0.4030



64.1917, 0.2764, 0.3730



64.1917, 0.2452, 0.3296

Triad

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



64.1917, 0.2764, 0.3730



64.1917, 0.2623, 0.2576



64.1917, 0.4012, 0.3581

Complementary

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



64.1917, 0.2764, 0.3730



37.4665, 0.3726, 0.2896

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.



64.1917, 0.3844, 0.3223



64.1917, 0.2764, 0.3730



64.1917, 0.3016, 0.2669

Square

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



64.1917, 0.2764, 0.3730



64.1917, 0.2377, 0.2650



64.1917, 0.3468, 0.2900



64.1917, 0.3922, 0.3898

Rectangle

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



64.1917, 0.2764, 0.3730



64.1917, 0.2340, 0.3020



64.1917, 0.3468, 0.2900



64.1917, 0.3984, 0.3462

Sweetspot

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



64.1943, 0.2764, 0.3730



93.9216, 0.3006, 0.3408



65.5591, 0.3300, 0.4408



19.9736, 0.2994, 0.3422



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.



64.1943, 0.2764, 0.3730



81.2989, 0.2707, 0.3839



60.3753, 0.2566, 0.3158



16.2382, 0.3032, 0.3381



33.1736, 0.2608, 0.4589



2.4694, 0.2549, 0.4377

Inverse Universe

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



37.4665, 0.3726, 0.2896



41.9622, 0.3912, 0.2818



39.4477, 0.4061, 0.3415



14.4586, 0.3233, 0.3201



9.9434, 0.5446, 0.2774



0.7524, 0.5051, 0.2556

Previews

White Background



This preview shows how the Yxy color 64.1917, 0.2764, 0.3730 looks on a white background.

Color Contrast Check

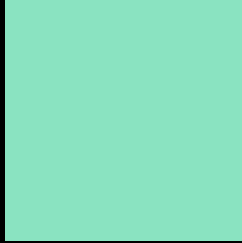
Large Text (above 18pt) WCAG AA × Fail

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 64.1917, 0.2764, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

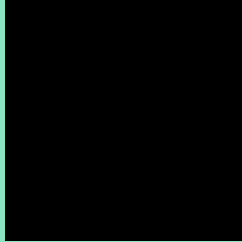
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

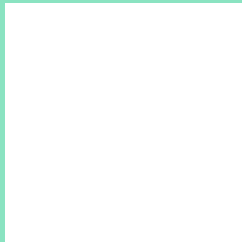
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1917, 0.2764, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 64.1917, 0.2764, 0.3730.

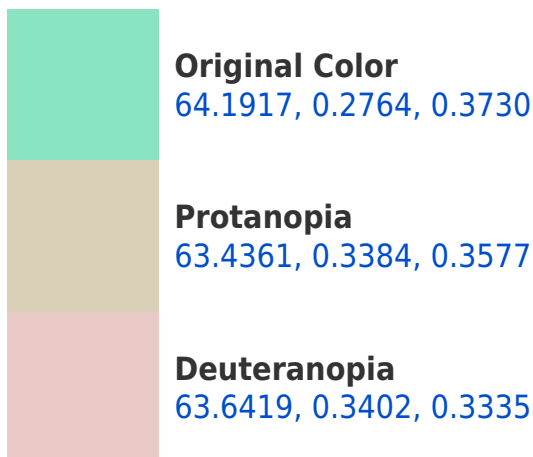


This preview shows how white text looks on a background with the Yxy color 64.1917, 0.2764, 0.3730.

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





Tritanopia

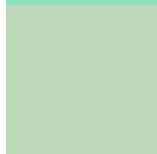
64.2755, 0.2576, 0.3084

Trichromacy



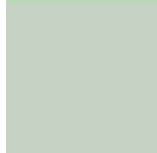
Original Color

64.1917, 0.2764, 0.3730



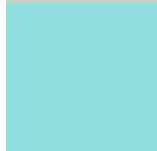
Protanomaly

63.0076, 0.3126, 0.3630



Deuteranomaly

62.5798, 0.3134, 0.3468



Tritanomaly

64.0690, 0.2640, 0.3301

Monochromacy



Original Color

64.1917, 0.2764, 0.3730



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.3274, 0.2974, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1917, 0.2764, 0.3730 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, 227, 193)` looks like.

```
.text, #text, p{  
    color:rgb(138, 227, 193)  
}
```

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, 227, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 227, 193) }
```

Border

The CSS property to change the border of an element to Yxy 64.1917, 0.2764, 0.3730 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, 227, 193) }
```

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

```
.border{ border-color:rgb(138, 227, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 227, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 227, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 227, 193);  
box-shadow:4px 4px 4px 4px rgb(138, 227,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1917, 0.2764, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 227, 193) }
```

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

```
.background{ background-color: rgb(138,  
227, 193) }
```

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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