

Converting Colors

$Y_{xy}(63.1276, 0.2732, 0.3797)$

Have a look what the booklet for
Yxy(63.1276, 0.2732, 0.3797)
contains.

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Color

Yxy(63.1243, 0.2728, 0.3792)

Conversions

Conversions Part 1

Format	Color
Hex	7FE3BD
RGB	127, 227, 189
RGB Percent	50%, 89%, 74%
CMY	0.5017, 0.1098, 0.2588
CMYK	0.44, 0.00, 0.17, 0.11
HSL	157°, 64%, 69%
HSV	157°, 44%, 89%
XYZ	45.4122, 63.1243, 57.9305
YIQ	192.7680, -47.4020, -33.0180

Conversions

Conversions Part 2

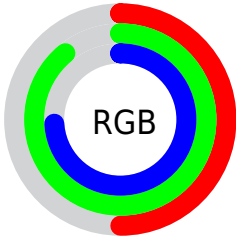
Format	Color
RYB	127, 189, 227
Decimal	8381373
CIELab	83.51, -38.03, 9.50
CIELCh	84, 39.198, 165.968
Yxy	63.1243, 0.2728, 0.3792
Android (android.graphics.Color)	4286571453 (0xFF7FE3BD)
YUV	192.7680, -1.8576, -57.6785
Hunter-Lab	79.4508, -37.0125, 12.3850

Details

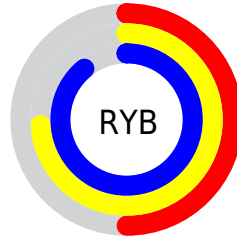
The Yxy color **63.1243, 0.2728, 0.3792** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.2429, 0.3835, 0.2851**, and the grayscale version is **53.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3029, 0.2770, 0.3397**, and **32.2055, 0.2622, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **61.2111, 0.2665, 0.3931**, and if you desaturate by 10%, it is **65.4575, 0.2805, 0.3661**.

Distribution



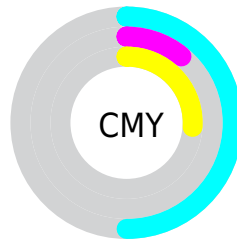
- Red (50%)
- Green (89%)
- Blue (74%)



- Red (50%)
- Yellow (74%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)



- Cyan (50%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1243, 0.2728, 0.3792 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 63.1243, 0.2728, 0.3792 by changing the saturation by 10% instead.


 63.1243, 0.2728,
0.3792

 63.1243, 0.2728,
0.3792


436.0205, 0.2921,
0.3546

 45.9418, 0.2682,
0.3852

 109.3488, 0.2797,
0.3704

 32.1999, 0.2624,
0.3928


 139.1596, 0.2823,
0.3670

 21.5142, 0.2548,
0.4028

 173.9486, 0.2845,
0.3642

 13.5004, 0.2446,
0.4165

214.1002, 0.2864,
0.3617

 7.7740, 0.2302,
0.4364

259.9988, 0.2881,
0.3596

 3.9507, 0.2082,
0.4675

312.0287, 0.2896,

 1.6460, 0.1589,

0.3577

0.5305

370.5745, 0.2909,
0.3560

0.3883, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.1243, 0.2728,
0.3792

63.1243, 0.2728,
0.3792

61.2111, 0.2665,
0.3931

65.4575, 0.2805,
0.3661

59.6833, 0.2618,
0.4076

68.2278, 0.2892,
0.3539

58.5129, 0.2591,
0.4225


71.4601, 0.2987,
0.3428

57.6649, 0.2584,
0.4373

75.1757, 0.3086,
0.3328


 57.0966, 0.2598,
0.4520

 79.3942, 0.3188,
0.3237

 56.8501, 0.2613,
0.4605

 82.5345, 0.3232,
0.3155

 83.0621, 0.3176,
0.3072

 83.4165, 0.3140,
0.3019

Harmonies

Analogous

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



63.1243, 0.3199, 0.4127



63.1243, 0.2728, 0.3792



63.1243, 0.2382, 0.3302

Triad

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



63.1243, 0.2728, 0.3792



63.1243, 0.2560, 0.2500



63.1243, 0.4114, 0.3599

Complementary

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



63.1243, 0.2728, 0.3792



34.2429, 0.3835, 0.2851

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.



63.1243, 0.3922, 0.3205



63.1243, 0.2728, 0.3792



63.1243, 0.2992, 0.2601

Square

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



63.1243, 0.2728, 0.3792



63.1243, 0.2294, 0.2581



63.1243, 0.3498, 0.2852



63.1243, 0.4015, 0.3955

Rectangle

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



63.1243, 0.2728, 0.3792



63.1243, 0.2258, 0.2991



63.1243, 0.3498, 0.2852



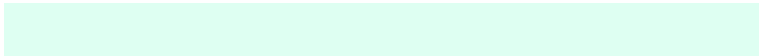
63.1243, 0.4082, 0.3467

Sweetspot

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



63.1268, 0.2728, 0.3792



93.4605, 0.2996, 0.3418



64.5092, 0.3315, 0.4559



19.7901, 0.2975, 0.3442



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.



63.1268, 0.2728, 0.3792



79.8432, 0.2669, 0.3921



58.8352, 0.2509, 0.3140



16.2386, 0.3032, 0.3381



33.1796, 0.2607, 0.4584



2.4698, 0.2548, 0.4372

Inverse Universe

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



34.2429, 0.3835, 0.2851



37.6064, 0.4070, 0.2767



36.2477, 0.4230, 0.3430



14.4582, 0.3233, 0.3201



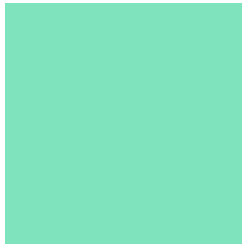
9.9401, 0.5452, 0.2777



0.7522, 0.5057, 0.2559

Previews

White Background



This preview shows how the Yxy color 63.1243, 0.2728, 0.3792 looks on a white background.

Color Contrast Check

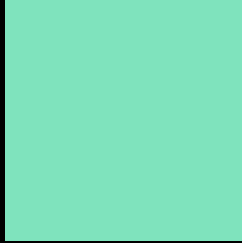
Large Text (above 18pt) WCAG AA × Fail

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 63.1243, 0.2728, 0.3792 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

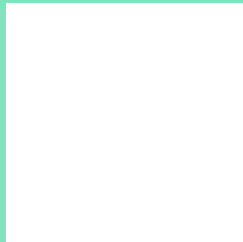
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1243, 0.2728, 0.3792

Background



This preview shows how black text looks on a background with the Yxy color 63.1243, 0.2728, 0.3792.



This preview shows how white text looks on a background with the Yxy color 63.1243, 0.2728, 0.3792.

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

63.1243, 0.2728, 0.3792

Protanopia

62.1087, 0.3417, 0.3614

Deuteranopia

62.2376, 0.3412, 0.3346



Tritanopia

62.9349, 0.2528, 0.3069

Trichromacy



Original Color

63.1243, 0.2728, 0.3792



Protanomaly

61.6609, 0.3123, 0.3685



Deuteranomaly

61.2809, 0.3118, 0.3495



Tritanomaly

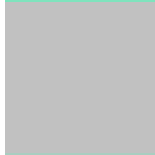
63.0936, 0.2599, 0.3326

Monochromacy



Original Color

63.1243, 0.2728, 0.3792



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.9034, 0.2949, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1243, 0.2728, 0.3792 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(127, 227, 189)` looks like.

```
.text, #text, p{  
    color:rgb(127, 227, 189)  
}
```

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(127, 227, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 227, 189) }
```

Border

The CSS property to change the border of an element to Yxy 63.1243, 0.2728, 0.3792 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(127, 227, 189) }
```

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

```
.border{ border-color:rgb(127, 227, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 227, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 227, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 227, 189); box-shadow:4px 4px 4px 4px rgb(127, 227, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1243, 0.2728, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 227, 189) }
```

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

```
.background{ background-color: rgb(127,  
227, 189) }
```

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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