

Converting Colors

$Yxy(63.3769, 0.2741, 0.3588)$

Have a look what the booklet for
Yxy(63.3769, 0.2741, 0.3588)
contains.

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Color

Yxy(63.2791, 0.2739, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	8EE0C9
RGB	142, 224, 201
RGB Percent	56%, 88%, 79%
CMY	0.4429, 0.1216, 0.2118
CMYK	0.37, 0.00, 0.10, 0.12
HSL	163°, 57%, 72%
HSV	163°, 37%, 88%
XYZ	48.3598, 63.2791, 64.9211
YIQ	196.8600, -41.4890, -24.5370

Conversions

Conversions Part 2

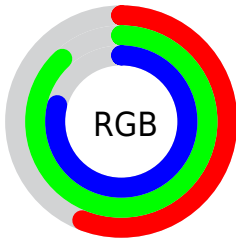
Format	Color
RYB	142, 190, 224
Decimal	9363657
CIELab	83.59, -30.10, 3.37
CIElCh	84, 30.287, 173.609
Yxy	63.2791, 0.2739, 0.3584
Android (android.graphics.Color)	4287553737 (0xFF8EE0C9)
YUV	196.8600, 2.0410, -48.1122
Hunter-Lab	79.5482, -30.6936, 7.2958

Details

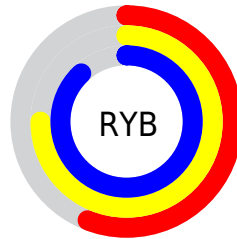
The Yxy color **63.2791, 0.2739, 0.3584** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.9274, 0.3759, 0.3020**, and the grayscale version is **55.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **32.1381, 0.2639, 0.3655** is the 20% darker color. If you saturate the color by 10%, you get **61.2046, 0.2656, 0.3680**, and if you desaturate by 10%, it is **65.7690, 0.2835, 0.3494**.

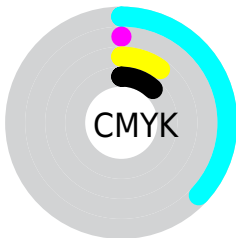
Distribution



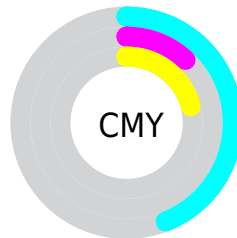
- Red (56%)
- Green (88%)
- Blue (79%)



- Red (56%)
- Yellow (75%)
- Blue (88%)



- Cyan (37%)
- Magenta (0%)
- Yellow (10%)
- Black (12%)





- Cyan (44%)
- Magenta (12%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2791, 0.2739, 0.3584 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 63.2791, 0.2739, 0.3584 by changing the saturation by 10% instead.

 63.2791, 0.2739,
0.3584


 63.2791, 0.2739,
0.3584


436.5817, 0.2924,
0.3443

 46.0670, 0.2696,
0.3618


 109.5721, 0.2804,
0.3534

 32.2987, 0.2641,
0.3660


 139.4218, 0.2829,
0.3515

 21.5898, 0.2571,
0.3715


174.2528, 0.2851,
0.3498

 13.5558, 0.2478,
0.3789

214.4495, 0.2869,
0.3484

 7.8124, 0.2348,
0.3894

260.3964, 0.2885,
0.3472

 3.9751, 0.2153,
0.4055

312.4778, 0.2900,

 1.6597, 0.1816,

0.3461

0.4337

371.0781, 0.2912,
0.3451

■ 0.3973, 0.0000,
0.6686

■ 0.0000, 0.0000,
0.0000

■ 63.2791, 0.2739,
0.3584

■ 63.2791, 0.2739,
0.3584

■ 61.2046, 0.2656,
0.3680

■ 65.7690, 0.2835,
0.3494

■ 59.5137, 0.2588,
0.3781


■ 68.6886, 0.2940,
0.3411


■ 58.1822, 0.2538,
0.3885

■ 72.0612, 0.3051,
0.3336

■ 57.1800, 0.2507,
0.3992


■ 75.9058, 0.3167,
0.3268


 56.4718, 0.2497,
0.4099

 80.2406, 0.3284,
0.3207


 56.0128, 0.2506,
0.4204

 80.7845, 0.3248,
0.3145

 55.8868, 0.2511,
0.4240

 81.1620, 0.3206,
0.3084

 81.5526, 0.3165,
0.3024

 81.7891, 0.3141,
0.2989

Harmonies

Analogous

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



63.2791, 0.3092, 0.3877



63.2791, 0.2739, 0.3584



63.2791, 0.2498, 0.3211

Triad

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



63.2791, 0.2739, 0.3584



63.2791, 0.2763, 0.2674



63.2791, 0.3891, 0.3620

Complementary

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



63.2791, 0.2739, 0.3584



37.9274, 0.3759, 0.3020

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.



63.2791, 0.3797, 0.3310



63.2791, 0.2739, 0.3584



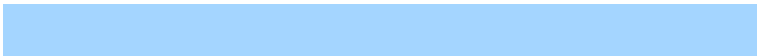
63.2791, 0.3125, 0.2786

Square

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



63.2791, 0.2739, 0.3584



63.2791, 0.2512, 0.2706



63.2791, 0.3509, 0.3013



63.2791, 0.3766, 0.3870

Rectangle

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



63.2791, 0.2739, 0.3584



63.2791, 0.2425, 0.2986



63.2791, 0.3509, 0.3013



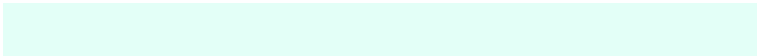
63.2791, 0.3884, 0.3519

Sweetspot

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



63.2817, 0.2739, 0.3584



94.5660, 0.3001, 0.3369



63.2922, 0.3233, 0.4342



20.1091, 0.2985, 0.3379



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.



63.2817, 0.2739, 0.3584



82.6970, 0.2673, 0.3658



55.3964, 0.2584, 0.3062



15.5033, 0.3019, 0.3357



32.5521, 0.2507, 0.4224



2.2714, 0.2462, 0.4061

Inverse Universe

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



37.9274, 0.3759, 0.3020



43.9123, 0.3961, 0.2963



42.8765, 0.3935, 0.3503



13.7635, 0.3248, 0.3224



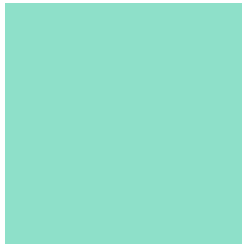
9.4493, 0.5821, 0.2980



0.6700, 0.5379, 0.2737

Previews

White Background



This preview shows how the Yxy color 63.2791, 0.2739, 0.3584 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 63.2791, 0.2739, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

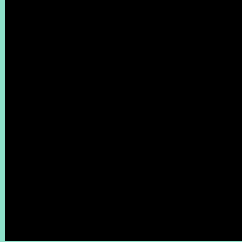
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

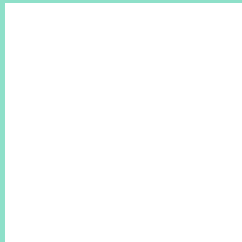
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2791, 0.2739, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 63.2791, 0.2739, 0.3584.



This preview shows how white text looks on a background with the Yxy color 63.2791, 0.2739, 0.3584.

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

63.2791, 0.2739, 0.3584

Protanopia

62.8785, 0.3296, 0.3463

Deuteranopia

62.7235, 0.3302, 0.3235



Tritanopia

63.2985, 0.2593, 0.3083

Trichromacy



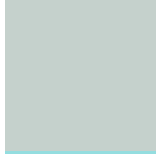
Original Color

63.2791, 0.2739, 0.3584



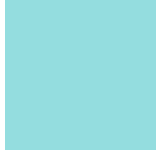
Protanomaly

62.2200, 0.3066, 0.3508



Deuteranomaly

61.8309, 0.3072, 0.3349



Tritanomaly

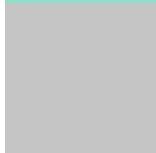
63.3365, 0.2648, 0.3264

Monochromacy



Original Color

63.2791, 0.2739, 0.3584



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.0500, 0.2967, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2791, 0.2739, 0.3584 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(142, 224, 201)` looks like.

```
.text, #text, p{  
    color:rgb(142, 224, 201)  
}
```

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(142, 224, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 224, 201) }
```

Border

The CSS property to change the border of an element to Yxy 63.2791, 0.2739, 0.3584 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(142, 224, 201) }
```

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

```
.border{ border-color:rgb(142, 224, 201) }
```

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

Here you see how a box with a 4 pixel rgb(142, 224, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 224, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 224, 201);  
box-shadow:4px 4px 4px 4px rgb(142, 224,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2791, 0.2739, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 224, 201) }
```

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

```
.background{ background-color: rgb(142,  
224, 201) }
```

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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