

Converting Colors

$Yxy(64.3992, 0.2584, 0.3412)$

Have a look what the booklet for
Yxy(64.3992, 0.2584, 0.3412)
contains.

Yxy(64.4600, 0.2583, 0.3416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4600, 0.2583, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	7FE3D9
RGB	127, 227, 217
RGB Percent	50%, 89%, 85%
CMY	0.5020, 0.1098, 0.1491
CMYK	0.44, 0.00, 0.04, 0.11
HSL	174°, 64%, 69%
HSV	174°, 44%, 89%
XYZ	48.7413, 64.4600, 75.4990
YIQ	195.9600, -56.3900, -24.3100

Conversions

Conversions Part 2

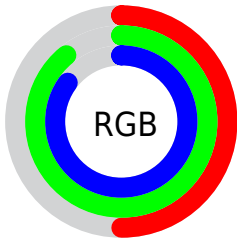
Format	Color
RYB	127, 180, 227
Decimal	8381401
CIELab	84.20, -31.71, -4.25
CIELCh	84, 31.989, 187.642
Yxy	64.4600, 0.2583, 0.3416
Android (android.graphics.Color)	4286571481 (0xFF7FE3D9)
YUV	195.9600, 10.3727, -60.4779
Hunter-Lab	80.2870, -32.1370, 0.4467

Details

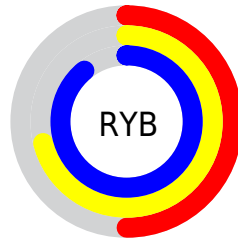
The Yxy color **64.4600, 0.2583, 0.3416** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.3152, 0.4174, 0.3176**, and the grayscale version is **55.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **32.9634, 0.2451, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **62.7940, 0.2496, 0.3449**, and if you desaturate by 10%, it is **66.5254, 0.2686, 0.3384**.

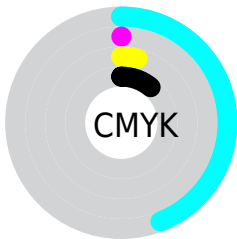
Distribution



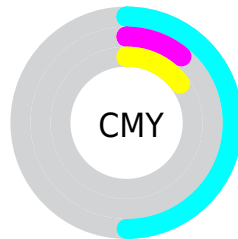
- Red (50%)
- Green (89%)
- Blue (85%)



- Red (50%)
- Yellow (71%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (50%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4600, 0.2583, 0.3416 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 64.4600, 0.2583, 0.3416 by changing the saturation by 10% instead.


 64.4600, 0.2583,
0.3416

 64.4600, 0.2583,
0.3416


440.8489, 0.2837,
0.3360

 47.0233, 0.2524,
0.3428


 111.2731, 0.2672,
0.3397

 33.0541, 0.2452,
0.3443


 141.4184, 0.2706,
0.3390

 22.1679, 0.2360,
0.3461


 176.5687, 0.2735,
0.3383

 13.9803, 0.2239,
0.3483

217.1084, 0.2761,
0.3377

 8.1070, 0.2075,
0.3511

263.4218, 0.2784,
0.3372

 4.1635, 0.1838,
0.3546

315.8935, 0.2804,

 1.7654, 0.1465,

0.3368

0.3589

374.9077, 0.2821,
0.3364

0.4655, 0.0000,
0.3666

0.0000, 0.0000,
0.0000

64.4600, 0.2583,
0.3416

64.4600, 0.2583,
0.3416

62.7940, 0.2496,
0.3449

66.5254, 0.2686,
0.3384

61.4929, 0.2428,
0.3484


69.0067, 0.2804,
0.3354

60.5294, 0.2378,
0.3518


71.9287, 0.2933,
0.3326

59.8687, 0.2349,
0.3553


75.3121, 0.3070,
0.3300


 59.4683, 0.2337,
0.3587


 79.1764, 0.3212,
0.3276

 59.3137, 0.2336,
0.3608

 81.9522, 0.3299,
0.3255

 82.0815, 0.3284,
0.3232

 82.2125, 0.3269,
0.3210

 82.3451, 0.3254,
0.3187

Harmonies

Analogous

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



64.4600, 0.2907, 0.3784



64.4600, 0.2583, 0.3416



64.4600, 0.2407, 0.3035

Triad

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



64.4600, 0.2583, 0.3416



64.4600, 0.2912, 0.2683



64.4600, 0.3894, 0.3769

Complementary

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



64.4600, 0.2583, 0.3416



33.3152, 0.4174, 0.3176

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.



64.4600, 0.3906, 0.3463



64.4600, 0.2583, 0.3416



64.4600, 0.3318, 0.2861

Square

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



64.4600, 0.2583, 0.3416



64.4600, 0.2587, 0.2643



64.4600, 0.3690, 0.3139



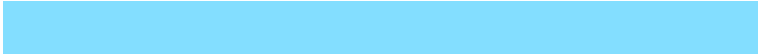
64.4600, 0.3668, 0.3976

Rectangle

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



64.4600, 0.2583, 0.3416



64.4600, 0.2388, 0.2836



64.4600, 0.3690, 0.3139



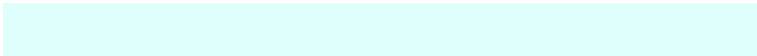
64.4600, 0.3924, 0.3674

Sweetspot

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



64.4625, 0.2583, 0.3416



94.0335, 0.2946, 0.3323



61.9346, 0.3134, 0.4634



19.9325, 0.2916, 0.3329



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.



64.4625, 0.2583, 0.3416



81.8795, 0.2502, 0.3447



46.3103, 0.2447, 0.2781



16.3102, 0.2995, 0.3314



34.5989, 0.2334, 0.3603



2.5640, 0.2320, 0.3552

Inverse Universe

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



33.3152, 0.4174, 0.3176



36.3617, 0.4533, 0.3157



44.8939, 0.4083, 0.3739



14.3914, 0.3277, 0.3267



9.5676, 0.6281, 0.3234



0.7150, 0.6006, 0.3082

Previews

White Background



This preview shows how the Yxy color 64.4600, 0.2583, 0.3416 looks on a white background.

Color Contrast Check

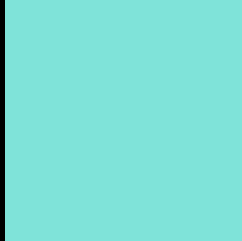
Large Text (above 18pt) WCAG AA × Fail

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 64.4600, 0.2583, 0.3416 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 64.4600, 0.2583, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 64.4600, 0.2583, 0.3416.



This preview shows how white text looks on a background with the Yxy color 64.4600, 0.2583, 0.3416.

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

64.4600, 0.2583, 0.3416

Protanopia

63.7141, 0.3179, 0.3313

Deuteranopia

63.6738, 0.3145, 0.3082



Tritanopia

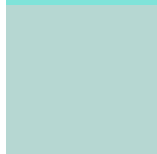
64.1946, 0.2491, 0.3069

Trichromacy



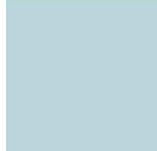
Original Color

64.4600, 0.2583, 0.3416



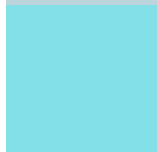
Protanomaly

63.1991, 0.2927, 0.3349



Deuteranomaly

62.9456, 0.2904, 0.3195



Tritanomaly

63.9628, 0.2522, 0.3189

Monochromacy



Original Color

64.4600, 0.2583, 0.3416



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.6432, 0.2886, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4600, 0.2583, 0.3416 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(127, 227, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 227, 217) }
```

Border

The CSS property to change the border of an element to Yxy 64.4600, 0.2583, 0.3416 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, 217) }
```

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

```
.border{ border-color:rgb(127, 227, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 227, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 227, 217);  
box-shadow:4px 4px 4px 4px rgb(127, 227,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4600, 0.2583, 0.3416 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, 217) }
```

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

```
.background{ background-color: rgb(127,  
227, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor