

Converting Colors

$Yxy(64.5501, 0.2702, 0.3590)$

Have a look what the booklet for
Yxy(64.5501, 0.2702, 0.3590)
contains.

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Color

Yxy(64.5683, 0.2705, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	89E3CB
RGB	137, 227, 203
RGB Percent	54%, 89%, 80%
CMY	0.4627, 0.1098, 0.2038
CMYK	0.40, 0.00, 0.11, 0.11
HSL	164°, 62%, 71%
HSV	164°, 40%, 89%
XYZ	48.5699, 64.5683, 66.4177
YIQ	197.3540, -45.9360, -26.5440

Conversions

Conversions Part 2

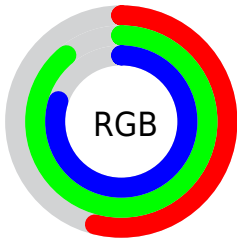
Format	Color
RYB	137, 189, 227
Decimal	9036747
CIELab	84.26, -32.42, 3.25
CIELCh	84, 32.579, 174.282
Yxy	64.5683, 0.2705, 0.3596
Android (android.graphics.Color)	4287226827 (0xFF89E3CB)
YUV	197.3540, 2.7835, -52.9305
Hunter-Lab	80.3544, -32.7267, 7.2413

Details

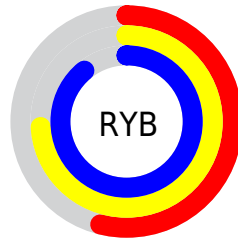
The Yxy color **64.5683, 0.2705, 0.3596** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.8019, 0.3851, 0.3012**, and the grayscale version is **56.0688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **33.0451, 0.2598, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **62.5669, 0.2625, 0.3688**, and if you desaturate by 10%, it is **66.9897, 0.2799, 0.3509**.

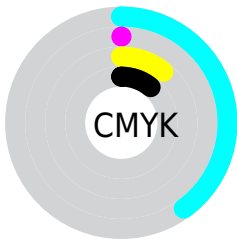
Distribution



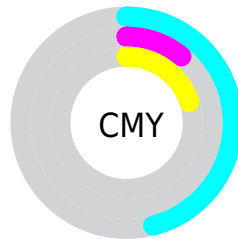
- Red (54%)
- Green (89%)
- Blue (80%)



- Red (54%)
- Yellow (74%)
- Blue (89%)



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



- Cyan (46%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5683, 0.2705, 0.3596 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 64.5683, 0.2705, 0.3596 by changing the saturation by 10% instead.


 64.5683, 0.2705,
0.3596


 64.5683, 0.2705,
0.3596


441.2390, 0.2905,
0.3449


 47.1111, 0.2658,
0.3631


 111.4290, 0.2775,
0.3544

 33.1235, 0.2600,
0.3674


 141.6013, 0.2802,
0.3524

 22.2211, 0.2525,
0.3731


 176.7807, 0.2826,
0.3507

 14.0194, 0.2425,
0.3806

217.3517, 0.2846,
0.3493

 8.1342, 0.2287,
0.3913

263.6986, 0.2863,
0.3480

 4.1809, 0.2083,
0.4075

316.2059, 0.2879,

 1.7753, 0.1739,

0.3468

0.4353

375.2579, 0.2893,
0.3458

0.4717, 0.0000,
0.6220

0.0000, 0.0000,
0.0000

64.5683, 0.2705,
0.3596

64.5683, 0.2705,
0.3596

62.5669, 0.2625,
0.3688

66.9897, 0.2799,
0.3509

60.9520, 0.2561,
0.3785


69.8468, 0.2903,
0.3428

59.6977, 0.2516,
0.3885

73.1637, 0.3015,
0.3355


58.7715, 0.2490,
0.3985


76.9607, 0.3131,
0.3288


 58.1347, 0.2485,
0.4086


 81.2567, 0.3250,
0.3228


 57.7231, 0.2497,
0.4186

 82.4482, 0.3242,
0.3169

 57.7097, 0.2497,
0.4189

 82.8123, 0.3202,
0.3111

 83.1885, 0.3163,
0.3053

 83.4175, 0.3140,
0.3019

Harmonies

Analogous

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



64.5683, 0.3079, 0.3916



64.5683, 0.2705, 0.3596



64.5683, 0.2453, 0.3195

Triad

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



64.5683, 0.2705, 0.3596



64.5683, 0.2746, 0.2636



64.5683, 0.3943, 0.3645

Complementary

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



64.5683, 0.2705, 0.3596



36.8019, 0.3851, 0.3012

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.



64.5683, 0.3848, 0.3317



64.5683, 0.2705, 0.3596



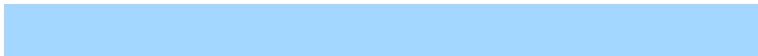
64.5683, 0.3133, 0.2759

Square

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



64.5683, 0.2705, 0.3596



64.5683, 0.2476, 0.2665



64.5683, 0.3544, 0.3001



64.5683, 0.3803, 0.3912

Rectangle

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



64.5683, 0.2705, 0.3596



64.5683, 0.2379, 0.2956



64.5683, 0.3544, 0.3001



64.5683, 0.3938, 0.3539

Sweetspot

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



64.5709, 0.2705, 0.3596



94.1372, 0.2987, 0.3372



64.3232, 0.3228, 0.4447



20.0245, 0.2972, 0.3382



0.0000, 0.0000, 0.0000



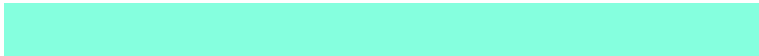
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5709, 0.2705, 0.3596



81.7688, 0.2635, 0.3676



55.0112, 0.2540, 0.3021



16.2674, 0.3017, 0.3353



33.6772, 0.2493, 0.4174



2.5038, 0.2452, 0.4028

Inverse Universe

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



36.8019, 0.3851, 0.3012



40.6501, 0.4097, 0.2954



42.5973, 0.4023, 0.3539



14.4307, 0.3251, 0.3228



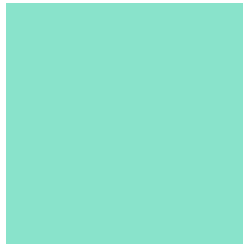
9.7340, 0.5871, 0.3008



0.7344, 0.5455, 0.2779

Previews

White Background



This preview shows how the Yxy color 64.5683, 0.2705, 0.3596 looks on a white background.

Color Contrast Check

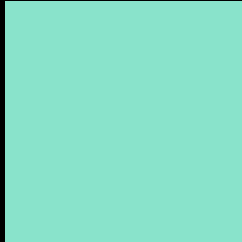
Large Text (above 18pt) WCAG AA × Fail

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 64.5683, 0.2705, 0.3596 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

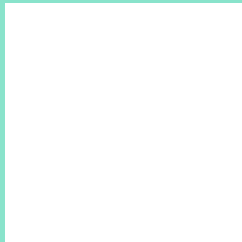
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5683, 0.2705, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 64.5683, 0.2705, 0.3596.

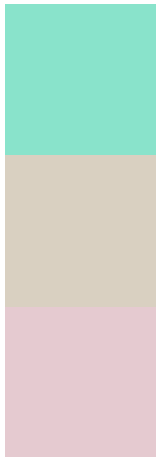


This preview shows how white text looks on a background with the Yxy color 64.5683, 0.2705, 0.3596.

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

64.5683, 0.2705, 0.3596

Protanopia

63.7137, 0.3303, 0.3462

Deuteranopia

63.4531, 0.3294, 0.3225



Tritanopia

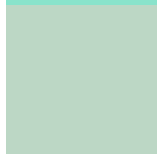
64.6448, 0.2552, 0.3072

Trichromacy



Original Color

64.5683, 0.2705, 0.3596



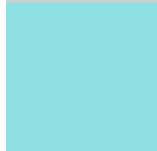
Protanomaly

63.3235, 0.3052, 0.3507



Deuteranomaly

62.7805, 0.3051, 0.3349



Tritanomaly

64.6970, 0.2606, 0.3252

Monochromacy



Original Color

64.5683, 0.2705, 0.3596



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.3492, 0.2947, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5683, 0.2705, 0.3596 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(137, 227, 203)` looks like.

```
.text, #text, p{  
    color:rgb(137, 227, 203)  
}
```

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(137, 227, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 227, 203) }
```

Border

The CSS property to change the border of an element to Yxy 64.5683, 0.2705, 0.3596 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(137, 227, 203) }
```

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

```
.border{ border-color:rgb(137, 227, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 227, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 227, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 227, 203);  
box-shadow:4px 4px 4px 4px rgb(137, 227,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5683, 0.2705, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 227, 203) }
```

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

```
.background{ background-color: rgb(137,  
227, 203) }
```

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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