

# Converting Colors

Yxy(66.3832, 0.2580, 0.3297)

Have a look what the booklet for  
Yxy(66.3832, 0.2580, 0.3297)  
contains.

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# Color

**Yxy(66.3512, 0.2583, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89E4E3
RGB	137, 228, 227
RGB Percent	54%, 89%, 89%
CMY	0.4629, 0.1058, 0.1099
CMYK	0.40, 0.00, 0.00, 0.11
HSL	179°, 63%, 72%
HSV	179°, 40%, 89%
XYZ	51.9192, 66.3512, 82.7330
YIQ	200.6770, -53.9150, -19.6030

# Conversions

## Conversions Part 2

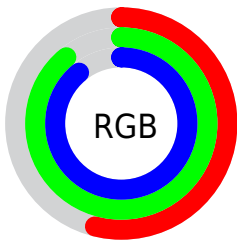
Format	Color
<a href="#">RYB</a>	<a href="#">137, 183, 228</a>
Decimal	<a href="#">9037027</a>
CIELab	<a href="#">85.18, -27.37, -8.06</a>
CIELCh	<a href="#">85, 28.536, 196.412</a>
Yxy	<a href="#">66.3512, 0.2583, 0.3301</a>
Android (android.graphics.Color)	<a href="#">4287227107</a> ( <a href="#">0xFF89E4E3</a> )
YUV	<a href="#">200.6770, 12.9772, -55.8447</a>
Hunter-Lab	<a href="#">81.4562, -28.7748, -3.1999</a>

# Details

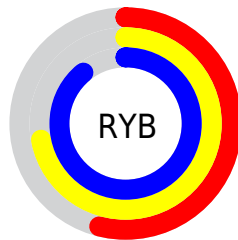
The Yxy color **66.3512, 0.2583, 0.3301** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2130, 0.4125, 0.3281**, and the grayscale version is **58.1381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **34.1891, 0.2453, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **64.6126, 0.2482, 0.3304**, and if you desaturate by 10%, it is **68.5021, 0.2701, 0.3298**.

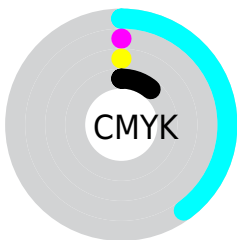
# Distribution



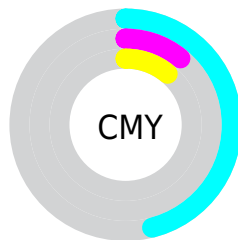
- Red (54%)
- Green (89%)
- Blue (89%)



- Red (54%)
- Yellow (72%)
- Blue (89%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3512, 0.2583, 0.3301 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 66.3512, 0.2583, 0.3301 by changing the saturation by 10% instead.





 66.3512, 0.2583,  
0.3301


 66.3512, 0.2583,  
0.3301


447.6318, 0.2835,  
0.3301


 48.5576, 0.2526,  
0.3300

 113.9903, 0.2670,  
0.3302

 34.2686, 0.2455,  
0.3298


 144.6044, 0.2704,  
0.3302

 23.1000, 0.2365,  
0.3294


 180.2609, 0.2734,  
0.3302

 14.6674, 0.2249,  
0.3287


221.3441, 0.2759,  
0.3302

 8.5863, 0.2091,  
0.3274

268.2384, 0.2782,  
0.3302

 4.4723, 0.1868,  
0.3248

321.3282, 0.2801,

 1.9411, 0.1530,

0.3301

0.3189

380.9979, 0.2819,  
0.3301

0.5729, 0.0000,  
0.3222

0.0000, 0.0000,  
0.0000

66.3512, 0.2583,  
0.3301

66.3512, 0.2583,  
0.3301

64.6126, 0.2482,  
0.3304

68.5021, 0.2701,  
0.3298

63.2526, 0.2400,  
0.3308

71.0812, 0.2833,  
0.3295

62.2451, 0.2337,  
0.3311

74.1128, 0.2976,  
0.3292

61.5570, 0.2293,  
0.3315

77.6172, 0.3128,  
0.3290

■ 61.1492, 0.2268,  
0.3318

■ 81.6136, 0.3286,  
0.3288

■ 60.9545, 0.2256,  
0.3322

■ 82.3834, 0.3313,  
0.3285

■ 60.9534, 0.2256,  
0.3322

■ 82.3977, 0.3311,  
0.3283

■ 82.4120, 0.3309,  
0.3280

■ 82.4264, 0.3307,  
0.3278

# Harmonies

## Analogous

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



66.3512, 0.2839, 0.3638



66.3512, 0.2583, 0.3301



66.3512, 0.2469, 0.2984

# Triad

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



66.3512, 0.2583, 0.3301



66.3512, 0.3040, 0.2784



66.3512, 0.3765, 0.3784

# Complementary

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



66.3512, 0.2583, 0.3301



36.2130, 0.4125, 0.3281

# 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.



66.3512, 0.3833, 0.3533



66.3512, 0.2583, 0.3301



66.3512, 0.3401, 0.2974

# Square

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



66.3512, 0.2583, 0.3301



66.3512, 0.2721, 0.2710



66.3512, 0.3698, 0.3241



66.3512, 0.3523, 0.3920

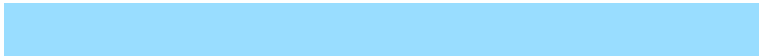


# Rectangle

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



66.3512, 0.2583, 0.3301



66.3512, 0.2484, 0.2830



66.3512, 0.3698, 0.3241



66.3512, 0.3810, 0.3709

# Sweetspot

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



66.3538, 0.2583, 0.3301



94.6291, 0.2945, 0.3293



62.7429, 0.3079, 0.4511



20.1409, 0.2925, 0.3293



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.



66.3538, 0.2583, 0.3301



83.6057, 0.2497, 0.3304



45.2018, 0.2488, 0.2713



16.3335, 0.2983, 0.3292



35.1942, 0.2256, 0.3321



2.6016, 0.2255, 0.3316



# Inverse Universe

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



36.2130, 0.4125, 0.3281



39.6463, 0.4457, 0.3280



51.3376, 0.3924, 0.3799



14.3706, 0.3291, 0.3288



9.5286, 0.6388, 0.3293

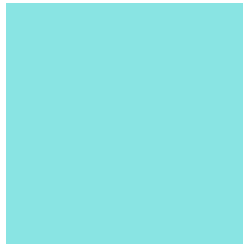


0.7051, 0.6353, 0.3273



# Previews

## White Background



This preview shows how the Yxy color 66.3512, 0.2583, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

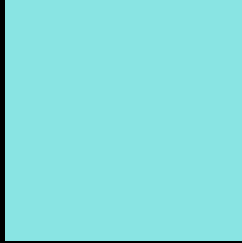
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3512, 0.2583, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

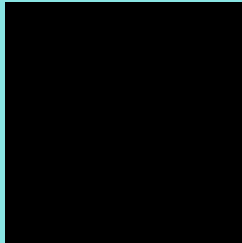
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.3512, 0.2583, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3512, 0.2583, 0.3301.

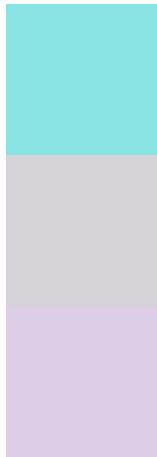


This preview shows how white text looks on a background with the Yxy color 66.3512, 0.2583, 0.3301.

# 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

66.3512, 0.2583, 0.3301

### Protanopia

65.8944, 0.3108, 0.3223

### Deuteranopia

65.6568, 0.3074, 0.3009



## Tritanopia

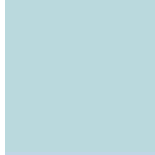
66.1329, 0.2519, 0.3061

# Trichromacy



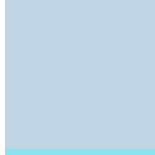
## Original Color

66.3512, 0.2583, 0.3301



## Protanomaly

65.2853, 0.2886, 0.3242



## Deuteranomaly

65.0128, 0.2870, 0.3106



## Tritanomaly

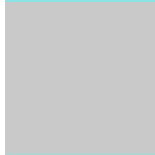
66.1412, 0.2540, 0.3143

# Monochromacy



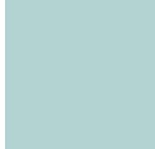
## Original Color

66.3512, 0.2583, 0.3301



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.7067, 0.2898, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3512, 0.2583, 0.3301 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, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(137, 228, 227)  
}
```

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, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 228, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3512, 0.2583, 0.3301 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, 228, 227) }
```

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

```
.border{ border-color:rgb(137, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(137, 228,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3512, 0.2583, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 228, 227) }
```

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

```
.background{ background-color: rgb(137,  
228, 227) }
```

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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