

Converting Colors

$Yxy(66.0437, 0.2641, 0.3610)$

Have a look what the booklet for
Yxy(66.0437, 0.2641, 0.3610)
contains.

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Color

Yxy(66.0437, 0.2641, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	7EE7CE
RGB	126, 231, 206
RGB Percent	49%, 91%, 81%
CMY	0.5060, 0.0941, 0.1922
CMYK	0.45, 0.00, 0.11, 0.09
HSL	166°, 69%, 70%
HSV	166°, 45%, 91%
XYZ	48.3162, 66.0437, 68.5867
YIQ	196.7550, -54.5550, -30.0350

Conversions

Conversions Part 2

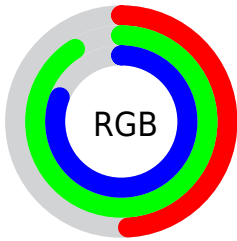
Format	Color
RYB	126, 186, 231
Decimal	8316878
CIELab	85.02, -36.38, 2.73
CIELCh	85, 36.483, 175.715
Yxy	66.0437, 0.2641, 0.3610
Android (android.graphics.Color)	4286506958 (0xFF7EE7CE)
YUV	196.7550, 4.5578, -62.0521
Hunter-Lab	81.2673, -36.0934, 6.8485

Details

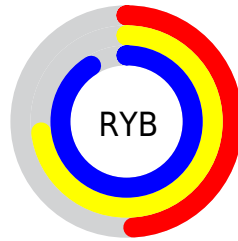
The Yxy color **66.0437, 0.2641, 0.3610** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.1391, 0.4050, 0.3006**, and the grayscale version is **55.6730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **34.1202, 0.2520, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **64.2260, 0.2568, 0.3694**, and if you desaturate by 10%, it is **68.2814, 0.2730, 0.3530**.

Distribution



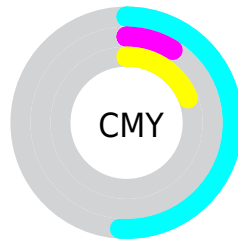
- Red (49%)
- Green (91%)
- Blue (81%)



- Red (49%)
- Yellow (73%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.0437, 0.2641, 0.3610 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 66.0437, 0.2641, 0.3610 by changing the saturation by 10% instead.


 66.0437, 0.2641,
0.3610

 66.0437, 0.2641,
0.3610


446.5332, 0.2870,
0.3458


 48.3079, 0.2588,
0.3646


 113.5491, 0.2721,
0.3556

 34.0708, 0.2522,
0.3691

 144.0874, 0.2752,
0.3536

 22.9480, 0.2437,
0.3748


 179.6620, 0.2779,
0.3518

 14.5551, 0.2326,
0.3825

220.6573, 0.2802,
0.3503

 8.5077, 0.2172,
0.3932

267.4576, 0.2822,
0.3489

 4.4215, 0.1948,
0.4092

320.4475, 0.2840,

 1.9120, 0.1579,

0.3478

0.4362

380.0112, 0.2856,
0.3467

0.5556, 0.0000,
0.5728

0.0000, 0.0000,
0.0000

66.0437, 0.2641,
0.3610

66.0437, 0.2641,
0.3610

64.2260, 0.2568,
0.3694

68.2814, 0.2730,
0.3530

62.7920, 0.2512,
0.3781


70.9569, 0.2831,
0.3455

61.7124, 0.2476,
0.3870


74.0965, 0.2943,
0.3385


60.9497, 0.2460,
0.3960


77.7219, 0.3061,
0.3322


 60.4582, 0.2464,
0.4048

 81.8538, 0.3183,
0.3265

 60.2911, 0.2469,
0.4088

 84.6493, 0.3240,
0.3212

 84.9796, 0.3205,
0.3158

 85.3198, 0.3170,
0.3106

 85.6370, 0.3138,
0.3058

Harmonies

Analogous

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



66.0437, 0.3049, 0.3978



66.0437, 0.2641, 0.3610



66.0437, 0.2373, 0.3160

Triad

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



66.0437, 0.2641, 0.3610



66.0437, 0.2722, 0.2573



66.0437, 0.4032, 0.3694

Complementary

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



66.0437, 0.2641, 0.3610



34.1391, 0.4050, 0.3006

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.



66.0437, 0.3941, 0.3333



66.0437, 0.2641, 0.3610



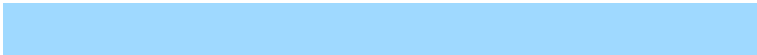
66.0437, 0.3154, 0.2715

Square

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



66.0437, 0.2641, 0.3610



66.0437, 0.2419, 0.2593



66.0437, 0.3610, 0.2985



66.0437, 0.3862, 0.3988

Rectangle

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



66.0437, 0.2641, 0.3610



66.0437, 0.2300, 0.2899



66.0437, 0.3610, 0.2985



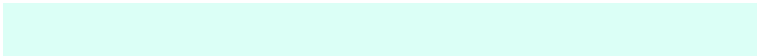
66.0437, 0.4032, 0.3577

Sweetspot

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



66.0463, 0.2641, 0.3610



93.3110, 0.2959, 0.3376



65.3604, 0.3223, 0.4647



19.7752, 0.2934, 0.3391



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.



66.0463, 0.2641, 0.3610



80.4001, 0.2569, 0.3693



53.7467, 0.2459, 0.2950



16.2746, 0.3013, 0.3347



33.8172, 0.2465, 0.4074



2.5132, 0.2429, 0.3945

Inverse Universe

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



34.1391, 0.4050, 0.3006



35.6076, 0.4374, 0.2955



41.0278, 0.4204, 0.3595



14.4240, 0.3255, 0.3234



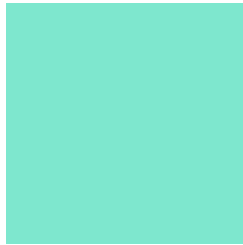
9.6951, 0.5961, 0.3057



0.7307, 0.5549, 0.2831

Previews

White Background



This preview shows how the Yxy color 66.0437, 0.2641, 0.3610 looks on a white background.

Color Contrast Check

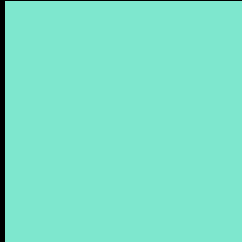
Large Text (above 18pt) WCAG AA × Fail

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 66.0437, 0.2641, 0.3610 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

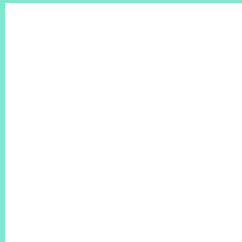
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.0437, 0.2641, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 66.0437, 0.2641, 0.3610.

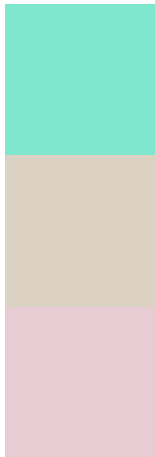


This preview shows how white text looks on a background with the Yxy color 66.0437, 0.2641, 0.3610.

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

66.0437, 0.2641, 0.3610

Protanopia

65.0934, 0.3302, 0.3460

Deuteranopia

64.9281, 0.3278, 0.3204



Tritanopia

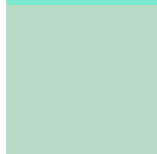
66.2427, 0.2497, 0.3072

Trichromacy



Original Color

66.0437, 0.2641, 0.3610



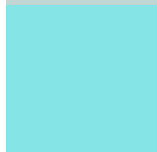
Protanomaly

64.5806, 0.3018, 0.3518



Deuteranomaly

64.0837, 0.3003, 0.3337



Tritanomaly

66.1865, 0.2549, 0.3264

Monochromacy



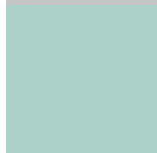
Original Color

66.0437, 0.2641, 0.3610



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.4290, 0.2913, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0437, 0.2641, 0.3610 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(126, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(126, 231, 206)  
}
```

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(126, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 231, 206) }
```

Border

The CSS property to change the border of an element to Yxy 66.0437, 0.2641, 0.3610 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(126, 231, 206) }
```

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

```
.border{ border-color:rgb(126, 231, 206) }
```

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

Here you see how a box with a 4 pixel rgb(126, 231, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(126, 231,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0437, 0.2641, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 231, 206) }
```

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

```
.background{ background-color: rgb(126,  
231, 206) }
```

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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