

Converting Colors

$Yxy(67.6786, 0.2521, 0.3585)$

Have a look what the booklet for
Yxy(67.6786, 0.2521, 0.3585)
contains.

Yxy(67.6786, 0.2521, 0.3585)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.6786, 0.2521, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	67ECD5
RGB	103, 236, 213
RGB Percent	40%, 93%, 84%
CMY	0.5964, 0.0745, 0.1647
CMYK	0.56, 0.00, 0.10, 0.07
HSL	170°, 78%, 66%
HSV	170°, 56%, 93%
XYZ	47.5921, 67.6786, 73.5120
YIQ	193.6110, -71.8850, -35.3490

Conversions

Conversions Part 2

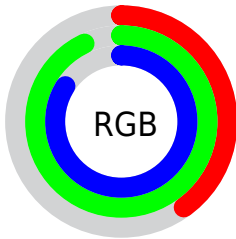
Format	Color
RYB	103, 176, 236
Decimal	6810837
CIELab	85.85, -41.95, 0.14
CIElCh	86, 41.948, 179.806
Yxy	67.6786, 0.2521, 0.3585
Android (android.graphics.Color)	4285000917 (0xFF67ECD5)
YUV	193.6110, 9.5588, -79.4658
Hunter-Lab	82.2670, -40.7036, 4.6067

Details

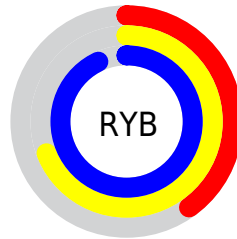
The Yxy color **67.6786, 0.2521, 0.3585** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.0218, 0.4535, 0.3047**, and the grayscale version is **53.6695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **34.9284, 0.2378, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **66.2740, 0.2462, 0.3647**, and if you desaturate by 10%, it is **69.4874, 0.2598, 0.3525**.

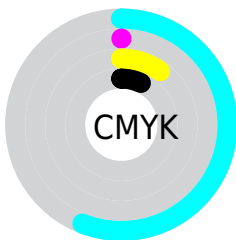
Distribution



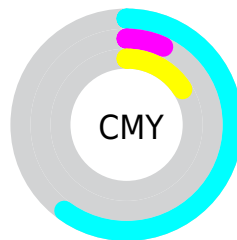
- Red (40%)
- Green (93%)
- Blue (84%)



- Red (40%)
- Yellow (69%)
- Blue (93%)



- Cyan (56%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)




- Cyan (60%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6786, 0.2521, 0.3585 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 67.6786, 0.2521, 0.3585 by changing the saturation by 10% instead.


 67.6786, 0.2521,
0.3585

 67.6786, 0.2521,
0.3585

452.3564, 0.2803,
0.3448

 49.6363, 0.2456,
0.3616


 115.8922, 0.2619,
0.3537

 35.1245, 0.2377,
0.3655


 146.8324, 0.2657,
0.3519

 23.7588, 0.2275,
0.3705


 182.8406, 0.2690,
0.3503

 15.1548, 0.2143,
0.3769

224.3012, 0.2718,
0.3489

 8.9281, 0.1965,
0.3856

271.5988, 0.2744,
0.3477

 4.6943, 0.1710,
0.3981

325.1175, 0.2766,

 2.0690, 0.1300,

0.3466

0.4182

385.2420, 0.2785,
0.3456

0.6471, 0.0000,
0.4823

0.0000, 0.0000,
0.0000

67.6786, 0.2521,
0.3585

67.6786, 0.2521,
0.3585

66.2740, 0.2462,
0.3647

69.4874, 0.2598,
0.3525

65.2314, 0.2423,
0.3709

71.7225, 0.2692,
0.3468

64.5136, 0.2404,
0.3772


74.4139, 0.2799,
0.3414


64.0705, 0.2403,
0.3834

77.5866, 0.2917,
0.3363

 63.9487, 0.2405,
0.3856

 81.2637, 0.3044,
0.3317

 85.4669, 0.3175,
0.3275

 87.6428, 0.3220,
0.3236

 87.8900, 0.3194,
0.3197

 88.1428, 0.3168,
0.3157

Harmonies

Analogous

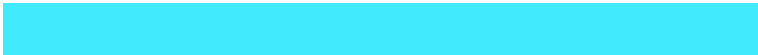
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6786, 0.2965, 0.4040



67.6786, 0.2521, 0.3585



67.6786, 0.2250, 0.3070

Triad

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



67.6786, 0.2521, 0.3585



67.6786, 0.2725, 0.2495



67.6786, 0.4147, 0.3790

Complementary

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



67.6786, 0.2521, 0.3585



29.0218, 0.4535, 0.3047

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.



67.6786, 0.4089, 0.3387



67.6786, 0.2521, 0.3585



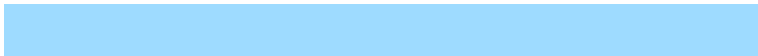
67.6786, 0.3228, 0.2676

Square

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



67.6786, 0.2521, 0.3585



67.6786, 0.2362, 0.2488



67.6786, 0.3740, 0.2993



67.6786, 0.3913, 0.4113

Rectangle

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



67.6786, 0.2521, 0.3585



67.6786, 0.2190, 0.2789



67.6786, 0.3740, 0.2993



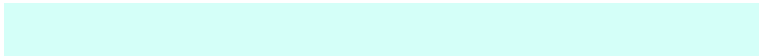
67.6786, 0.4163, 0.3660

Sweetspot

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



67.6812, 0.2521, 0.3585



92.2119, 0.2909, 0.3367



65.5118, 0.3172, 0.5038



19.5654, 0.2885, 0.3377



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.



67.6812, 0.2521, 0.3585



78.7341, 0.2453, 0.3659



47.4581, 0.2300, 0.2730



17.0746, 0.3004, 0.3331



35.2624, 0.2402, 0.3846



2.7807, 0.2378, 0.3760

Inverse Universe

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



29.0218, 0.4535, 0.3047



28.3946, 0.5028, 0.3030



39.0815, 0.4531, 0.3753



15.0965, 0.3266, 0.3250



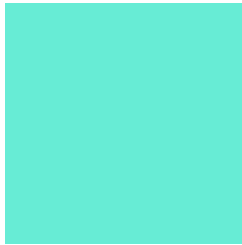
9.9303, 0.6140, 0.3156



0.7922, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 67.6786, 0.2521, 0.3585 looks on a white background.

Color Contrast Check

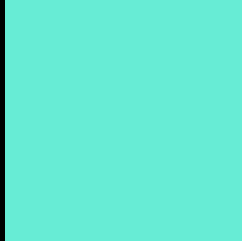
Large Text (above 18pt) WCAG AA × Fail

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 67.6786, 0.2521, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

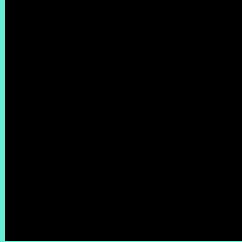
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6786, 0.2521, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 67.6786, 0.2521, 0.3585.

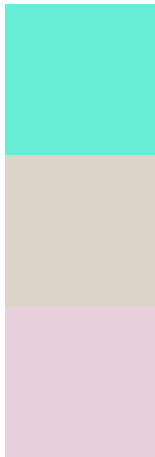


This preview shows how white text looks on a background with the Yxy color 67.6786, 0.2521, 0.3585.

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

67.6786, 0.2521, 0.3585

Protanopia

66.4727, 0.3271, 0.3425

Deuteranopia

66.7290, 0.3224, 0.3161



Tritanopia

67.7044, 0.2398, 0.3071

Trichromacy



Original Color

67.6786, 0.2521, 0.3585



Protanomaly

65.4678, 0.2926, 0.3483



Deuteranomaly

65.3429, 0.2898, 0.3301



Tritanomaly

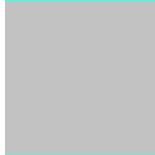
67.7135, 0.2441, 0.3251

Monochromacy



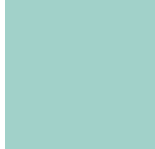
Original Color

67.6786, 0.2521, 0.3585



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.3950, 0.2839, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6786, 0.2521, 0.3585 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(103, 236, 213)` looks like.

```
.text, #text, p{  
    color:rgb(103, 236, 213)  
}
```

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(103, 236, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 236, 213) }
```

Border

The CSS property to change the border of an element to Yxy 67.6786, 0.2521, 0.3585 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(103, 236, 213) }
```

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

```
.border{ border-color:rgb(103, 236, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 236, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 236, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 236, 213);  
box-shadow:4px 4px 4px 4px rgb(103, 236,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6786, 0.2521, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 236, 213) }
```

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

```
.background{ background-color: rgb(103,  
236, 213) }
```

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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