

Converting Colors

$Yxy(67.3285, 0.2793, 0.4137)$

Have a look what the booklet for
Yxy(67.3285, 0.2793, 0.4137)
contains.

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Color

Yxy(67.5786, 0.2790, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	78EDAD
RGB	120, 237, 173
RGB Percent	47%, 93%, 68%
CMY	0.5297, 0.0705, 0.3216
CMYK	0.49, 0.00, 0.27, 0.07
HSL	147°, 76%, 70%
HSV	147°, 49%, 93%
XYZ	45.5641, 67.5786, 50.1695
YIQ	194.7210, -49.1880, -44.7080

Conversions

Conversions Part 2

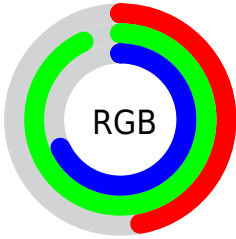
Format	Color
RYB	120, 201, 237
Decimal	7925165
CIELab	85.80, -47.45, 21.03
CIELCh	86, 51.906, 156.094
Yxy	67.5786, 0.2790, 0.4138
Android (android.graphics.Color)	4286115245 (0xFF78EDAD)
YUV	194.7210, -10.7085, -65.5303
Hunter-Lab	82.2062, -44.9244, 21.3603

Details

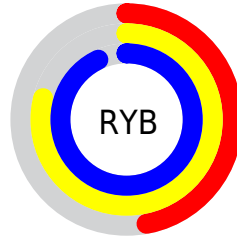
The Yxy color **67.5786, 0.2790, 0.4138** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.8822, 0.3737, 0.2592**, and the grayscale version is **54.4760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6421, 0.2819, 0.3578**, and **34.9284, 0.2695, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **65.6148, 0.2750, 0.4350**, and if you desaturate by 10%, it is **70.0158, 0.2844, 0.3936**.

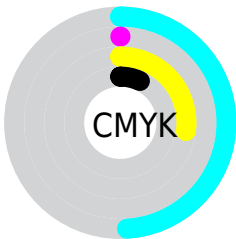
Distribution



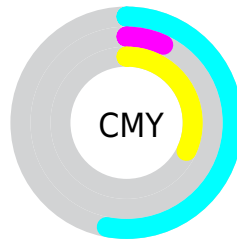
- Red (47%)
- Green (93%)
- Blue (68%)



- Red (47%)
- Yellow (79%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5786, 0.2790, 0.4138 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 67.5786, 0.2790, 0.4138 by changing the saturation by 10% instead.


 67.5786, 0.2790,
0.4138

 67.5786, 0.2790,
0.4138


452.0015, 0.2959,
0.3717

 49.5550, 0.2748,
0.4241


 115.7491, 0.2851,
0.3986

 35.0599, 0.2694,
0.4373


 146.6648, 0.2875,
0.3929

 23.7090, 0.2623,
0.4546


 182.6466, 0.2894,
0.3880

 15.1179, 0.2524,
0.4784

224.0789, 0.2911,
0.3839

 8.9022, 0.2379,
0.5127

271.3462, 0.2925,
0.3802

 4.6774, 0.2150,
0.5661

324.8328, 0.2938,

 2.0593, 0.1681,

0.3771

0.6873

384.9231, 0.2949,
0.3742

0.6416, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.5786, 0.2790,
0.4138

67.5786, 0.2790,
0.4138

65.6148, 0.2750,
0.4350

70.0158, 0.2844,
0.3936

64.0833, 0.2727,
0.4566

72.9478, 0.2908,
0.3748


62.9494, 0.2723,
0.4781

76.4044, 0.2979,
0.3576

62.1689, 0.2740,
0.4987

80.4109, 0.3055,
0.3421

 61.6724, 0.2773,
0.5178

 84.9905, 0.3132,
0.3282

 61.6467, 0.2775,
0.5189

 88.7862, 0.3161,
0.3157

 89.0567, 0.3135,
0.3117

Harmonies

Analogous

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



67.5786, 0.3409, 0.4454



67.5786, 0.2790, 0.4138



67.5786, 0.2293, 0.3512

Triad

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



67.5786, 0.2790, 0.4138



67.5786, 0.2270, 0.2301



67.5786, 0.4366, 0.3493

Complementary

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



67.5786, 0.2790, 0.4138



34.8822, 0.3737, 0.2592

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.



67.5786, 0.4001, 0.3015



67.5786, 0.2790, 0.4138



67.5786, 0.2748, 0.2362

Square

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



67.5786, 0.2790, 0.4138



67.5786, 0.2024, 0.2468



67.5786, 0.3384, 0.2616



67.5786, 0.4346, 0.3973

Rectangle

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



67.5786, 0.2790, 0.4138



67.5786, 0.2088, 0.3077



67.5786, 0.3384, 0.2616



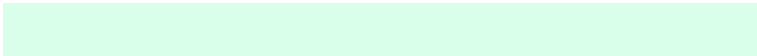
67.5786, 0.4284, 0.3329

Sweetspot

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



67.5814, 0.2790, 0.4138



92.1787, 0.3012, 0.3507



72.1618, 0.3463, 0.4670



19.5209, 0.2996, 0.3540



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.



67.5814, 0.2790, 0.4138



77.5026, 0.2751, 0.4346



70.3433, 0.2506, 0.3360



16.9757, 0.3054, 0.3422



33.6779, 0.2766, 0.5159



2.6637, 0.2692, 0.4892

Inverse Universe

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



34.8822, 0.3737, 0.2592



34.8521, 0.3921, 0.2476



32.9240, 0.4453, 0.3230



15.1919, 0.3207, 0.3162



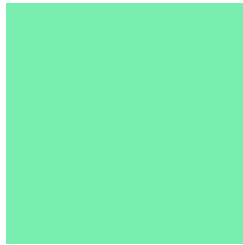
10.7308, 0.4758, 0.2395



0.8620, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 67.5786, 0.2790, 0.4138 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 67.5786, 0.2790, 0.4138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

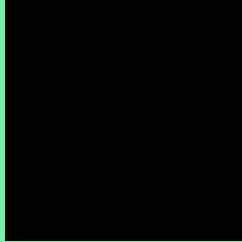
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5786, 0.2790, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 67.5786, 0.2790, 0.4138.

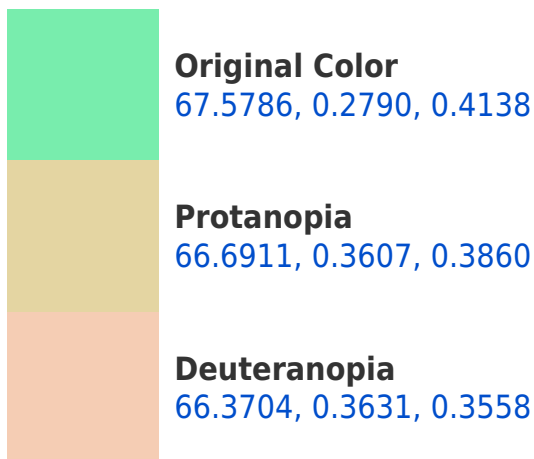


This preview shows how white text looks on a background with the Yxy color 67.5786, 0.2790, 0.4138.

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





Tritanopia

67.6296, 0.2501, 0.3074

Trichromacy



Original Color

67.5786, 0.2790, 0.4138



Protanomaly

65.8145, 0.3258, 0.3971



Deuteranomaly

65.0794, 0.3273, 0.3766



Tritanomaly

67.1718, 0.2604, 0.3439

Monochromacy



Original Color

67.5786, 0.2790, 0.4138



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.0059, 0.2976, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5786, 0.2790, 0.4138 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(120, 237, 173)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 173)  
}
```

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(120, 237, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 173) }
```

Border

The CSS property to change the border of an element to Yxy 67.5786, 0.2790, 0.4138 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(120, 237, 173) }
```

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

```
.border{ border-color:rgb(120, 237, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 237, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 237, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 237, 173); box-shadow:4px 4px 4px 4px rgb(120, 237, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5786, 0.2790, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 173) }
```

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

```
.background{ background-color: rgb(120,  
237, 173) }
```

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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