

Converting Colors

$Yxy(68.7990, 0.2795, 0.4073)$

Have a look what the booklet for
Yxy(68.7990, 0.2795, 0.4073)
contains.

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Color

Yxy(68.7990, 0.2795, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	7EEEE2
RGB	126, 238, 178
RGB Percent	49%, 93%, 70%
CMY	0.5059, 0.0666, 0.3020
CMYK	0.47, 0.00, 0.25, 0.07
HSL	148°, 77%, 71%
HSV	148°, 47%, 93%
XYZ	47.2117, 68.7990, 52.9041
YIQ	197.6720, -47.4920, -42.4040

Conversions

Conversions Part 2

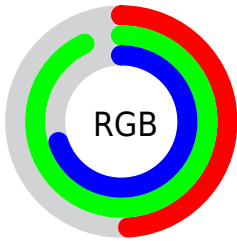
Format	Color
RYB	126, 202, 238
Decimal	8318642
CIELab	86.40, -45.42, 19.33
CIElCh	86, 49.359, 156.948
Yxy	68.7990, 0.2795, 0.4073
Android (android.graphics.Color)	4286508722 (0xFF7EEEB2)
YUV	197.6720, -9.6983, -62.8563
Hunter-Lab	82.9452, -43.5533, 20.2452

Details

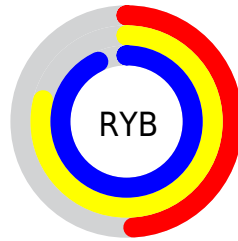
The Yxy color **68.7990, 0.2795, 0.4073** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.6416, 0.3710, 0.2635**, and the grayscale version is **56.3426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6509, 0.2826, 0.3519**, and **35.7217, 0.2704, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **66.7142, 0.2751, 0.4278**, and if you desaturate by 10%, it is **71.3673, 0.2853, 0.3878**.

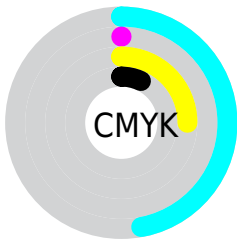
Distribution



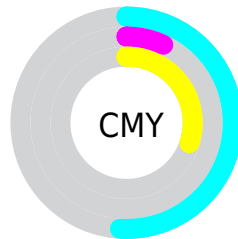
- Red (49%)
- Green (93%)
- Blue (70%)



- Red (49%)
- Yellow (79%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)





- Cyan (51%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7990, 0.2795, 0.4073 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 68.7990, 0.2795, 0.4073 by changing the saturation by 10% instead.


 68.7990, 0.2795,
0.4073

 68.7990, 0.2795,
0.4073


456.3217, 0.2960,
0.3687


 50.5480, 0.2754,
0.4167


 117.4944, 0.2854,
0.3934

 35.8490, 0.2703,
0.4287


 148.7077, 0.2877,
0.3882

 24.3176, 0.2635,
0.4444


 185.0105, 0.2896,
0.3837

 15.5694, 0.2542,
0.4658

226.7873, 0.2912,
0.3799

 9.2200, 0.2407,
0.4966

274.4224, 0.2926,
0.3765

 4.8849, 0.2196,
0.5444

328.3002, 0.2939,

 2.1799, 0.1803,


0.3736


0.6368


388.8052, 0.2950,
0.3710

 0.7090, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 68.7990, 0.2795,
0.4073


 68.7990, 0.2795,
0.4073


 66.7142, 0.2751,
0.4278


 71.3673, 0.2853,
0.3878


 65.0723, 0.2723,
0.4490


 74.4400, 0.2920,
0.3698


 63.8395, 0.2714,
0.4702


 78.0466, 0.2994,
0.3533

 62.9732, 0.2725,
0.4907

 82.2120, 0.3071,
0.3385

 62.4186, 0.2755,
0.5100

 86.9595, 0.3150,
0.3253

 62.2899, 0.2765,
0.5154

 89.6012, 0.3138,
0.3131

 89.6334, 0.3135,
0.3127

Harmonies

Analogous

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



68.7990, 0.3381, 0.4383



68.7990, 0.2795, 0.4073



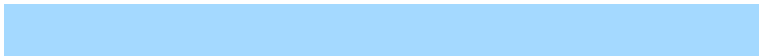
68.7990, 0.2326, 0.3483

Triad

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



68.7990, 0.2795, 0.4073



68.7990, 0.2323, 0.2348



68.7990, 0.4303, 0.3502

Complementary

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



68.7990, 0.2795, 0.4073



36.6416, 0.3710, 0.2635

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.



68.7990, 0.3967, 0.3044



68.7990, 0.2795, 0.4073



68.7990, 0.2784, 0.2410

Square

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



68.7990, 0.2795, 0.4073



68.7990, 0.2080, 0.2503



68.7990, 0.3389, 0.2658



68.7990, 0.4277, 0.3957

Rectangle

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



68.7990, 0.2795, 0.4073



68.7990, 0.2134, 0.3076



68.7990, 0.3389, 0.2658



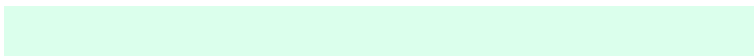
68.7990, 0.4229, 0.3345

Sweetspot

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



68.8018, 0.2795, 0.4073



92.6754, 0.3017, 0.3487



73.2997, 0.3452, 0.4602



19.6200, 0.3000, 0.3520



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.



68.8018, 0.2795, 0.4073



78.2121, 0.2754, 0.4260



71.4372, 0.2528, 0.3356



17.7785, 0.3052, 0.3419



34.7746, 0.2757, 0.5125



2.9128, 0.2687, 0.4874

Inverse Universe

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



36.6416, 0.3710, 0.2635



36.5540, 0.3881, 0.2524



34.7510, 0.4358, 0.3232



15.9005, 0.3209, 0.3164



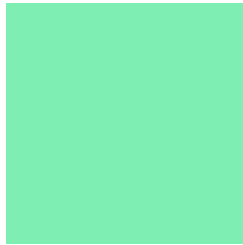
11.0298, 0.4807, 0.2422



0.9377, 0.4539, 0.2274

Previews

White Background



This preview shows how the Yxy color 68.7990, 0.2795, 0.4073 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 68.7990, 0.2795, 0.4073 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 68.7990, 0.2795, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 68.7990, 0.2795, 0.4073.

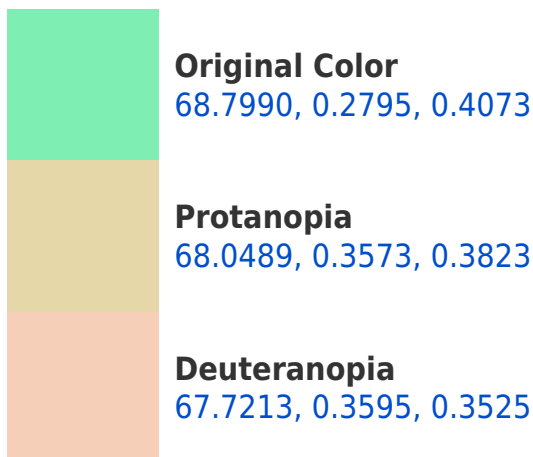


This preview shows how white text looks on a background with the Yxy color 68.7990, 0.2795, 0.4073.

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

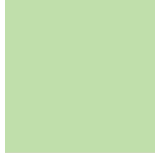
68.6833, 0.2522, 0.3076

Trichromacy



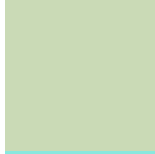
Original Color

68.7990, 0.2795, 0.4073



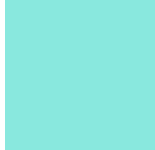
Protanomaly

66.9221, 0.3246, 0.3915



Deuteranomaly

66.0768, 0.3253, 0.3714



Tritanomaly

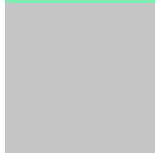
68.3055, 0.2615, 0.3412

Monochromacy



Original Color

68.7990, 0.2795, 0.4073



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.1207, 0.2978, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7990, 0.2795, 0.4073 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, 238, 178)` looks like.

```
.text, #text, p{  
    color:rgb(126, 238, 178)  
}
```

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, 238, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 238, 178) }
```

Border

The CSS property to change the border of an element to Yxy 68.7990, 0.2795, 0.4073 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, 238, 178) }
```

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

```
.border{ border-color:rgb(126, 238, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 238, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 238, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 238, 178); box-shadow:4px 4px 4px 4px rgb(126, 238, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7990, 0.2795, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 238, 178) }
```

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

```
.background{ background-color: rgb(126,  
238, 178) }
```

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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