

Converting Colors

$Y_{xy}(65.2456, 0.2772, 0.3971)$

Have a look what the booklet for
Yxy(65.2456, 0.2772, 0.3971)
contains.

Yxy(65.3685, 0.2772, 0.3978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.3685, 0.2772, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	7DE8B4
RGB	125, 232, 180
RGB Percent	49%, 91%, 71%
CMY	0.5099, 0.0902, 0.2940
CMYK	0.46, 0.00, 0.22, 0.09
HSL	151°, 70%, 70%
HSV	151°, 46%, 91%
XYZ	45.5509, 65.3685, 53.4056
YIQ	194.0790, -47.0800, -38.8560

Conversions

Conversions Part 2

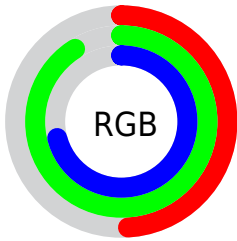
Format	Color
RYB	125, 196, 232
Decimal	8251572
CIELab	84.67, -42.65, 15.85
CIElCh	85, 45.504, 159.618
Yxy	65.3685, 0.2772, 0.3978
Android (android.graphics.Color)	4286441652 (0xFF7DE8B4)
YUV	194.0790, -6.9409, -60.5823
Hunter-Lab	80.8508, -40.9229, 17.4318

Details

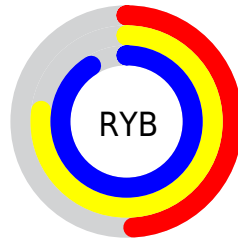
The Yxy color **65.3685, 0.2772, 0.3978** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.9912, 0.3754, 0.2706**, and the grayscale version is **54.0594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5212, 0.2805, 0.3497**, and **33.7763, 0.2679, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **63.3838, 0.2722, 0.4162**, and if you desaturate by 10%, it is **67.8036, 0.2836, 0.3804**.

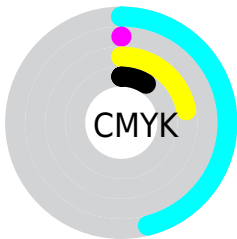
Distribution



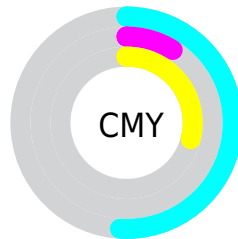
- Red (49%)
- Green (91%)
- Blue (71%)



- Red (49%)
- Yellow (77%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3685, 0.2772, 0.3978 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 65.3685, 0.2772, 0.3978 by changing the saturation by 10% instead.


 65.3685, 0.2772,
0.3978

 65.3685, 0.2772,
0.3978


444.1150, 0.2947,
0.3638


 47.7599, 0.2729,
0.4062

 112.5795, 0.2835,
0.3855

 33.6368, 0.2675,
0.4168


 142.9507, 0.2859,
0.3809

 22.6147, 0.2604,
0.4308


 178.3449, 0.2879,
0.3770

 14.3093, 0.2507,
0.4500

219.1466, 0.2896,
0.3736

 8.3361, 0.2367,
0.4779

265.7400, 0.2911,
0.3707

 4.3108, 0.2149,
0.5217

318.5096, 0.2925,

 1.8489, 0.1669,

0.3681

0.6138

377.8398, 0.2936,
0.3658

■ 0.5174, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3685, 0.2772,
0.3978

■ 65.3685, 0.2772,
0.3978

■ 63.3838, 0.2722,
0.4162

■ 67.8036, 0.2836,
0.3804

■ 61.8117, 0.2688,
0.4352


■ 70.7081, 0.2909,
0.3643


■ 60.6216, 0.2673,
0.4545


■ 74.1091, 0.2990,
0.3497


■ 59.7744, 0.2679,
0.4734


■ 78.0298, 0.3074,
0.3364

 59.2217, 0.2705,
0.4915

 82.4915, 0.3161,
0.3246

 59.0563, 0.2718,
0.4983

 85.7315, 0.3184,
0.3138

 86.1969, 0.3138,
0.3068

Harmonies

Analogous

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



65.3685, 0.3321, 0.4300



65.3685, 0.2772, 0.3978



65.3685, 0.2344, 0.3421

Triad

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



65.3685, 0.2772, 0.3978



65.3685, 0.2400, 0.2397



65.3685, 0.4242, 0.3535

Complementary

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



65.3685, 0.2772, 0.3978



34.9912, 0.3754, 0.2706

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.



65.3685, 0.3955, 0.3097



65.3685, 0.2772, 0.3978



65.3685, 0.2853, 0.2472

Square

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



65.3685, 0.2772, 0.3978



65.3685, 0.2149, 0.2528



65.3685, 0.3427, 0.2722



65.3685, 0.4191, 0.3959

Rectangle

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



65.3685, 0.2772, 0.3978



65.3685, 0.2174, 0.3046



65.3685, 0.3427, 0.2722



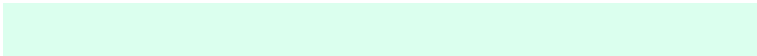
65.3685, 0.4182, 0.3386

Sweetspot

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



65.3712, 0.2772, 0.3978



92.7797, 0.3007, 0.3468



68.7202, 0.3408, 0.4590



19.6454, 0.2989, 0.3498



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.



65.3712, 0.2772, 0.3978



78.7305, 0.2725, 0.4146



67.9017, 0.2512, 0.3288



16.2123, 0.3046, 0.3406



32.8093, 0.2710, 0.4955



2.4433, 0.2637, 0.4693

Inverse Universe

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



34.9912, 0.3754, 0.2706



36.8782, 0.3944, 0.2603



33.2984, 0.4383, 0.3294



14.4841, 0.3217, 0.3176



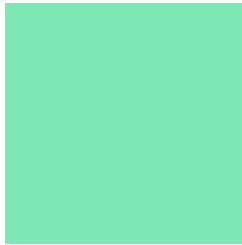
10.2075, 0.5014, 0.2536



0.7730, 0.4681, 0.2352

Previews

White Background



This preview shows how the Yxy color 65.3685, 0.2772, 0.3978 looks on a white background.

Color Contrast Check

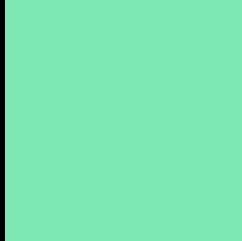
Large Text (above 18pt) WCAG AA × Fail

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 65.3685, 0.2772, 0.3978 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 65.3685, 0.2772, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 65.3685, 0.2772, 0.3978.

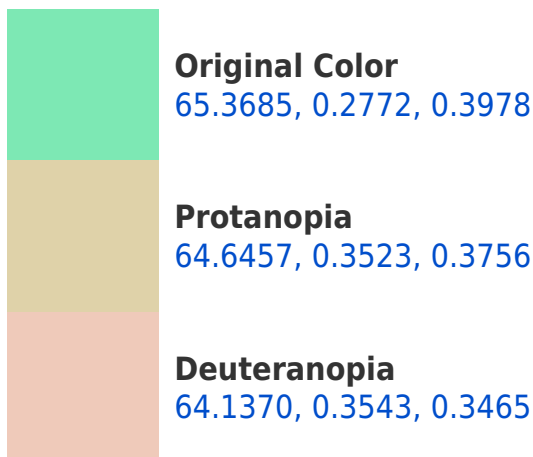


This preview shows how white text looks on a background with the Yxy color 65.3685, 0.2772, 0.3978.

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

65.3848, 0.2521, 0.3072

Trichromacy



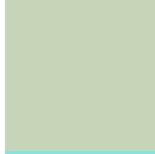
Original Color

65.3685, 0.2772, 0.3978



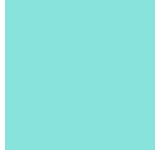
Protanomaly

63.7247, 0.3202, 0.3842



Deuteranomaly

63.0550, 0.3215, 0.3637



Tritanomaly

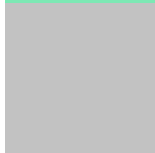
65.2035, 0.2612, 0.3389

Monochromacy



Original Color

65.3685, 0.2772, 0.3978



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.2209, 0.2970, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3685, 0.2772, 0.3978 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(125, 232, 180)` looks like.

```
.text, #text, p{  
    color:rgb(125, 232, 180)  
}
```

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(125, 232, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 232, 180) }
```

Border

The CSS property to change the border of an element to Yxy 65.3685, 0.2772, 0.3978 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(125, 232, 180) }
```

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

```
.border{ border-color:rgb(125, 232, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 232, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 232, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 232, 180);  
box-shadow:4px 4px 4px 4px rgb(125, 232,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3685, 0.2772, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 232, 180) }
```

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

```
.background{ background-color: rgb(125,  
232, 180) }
```

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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