

Converting Colors

$Y_{xy}(72.5000, 0.2724, 0.3881)$

Have a look what the booklet for
Yxy(72.5000, 0.2724, 0.3881)
contains.

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Color

Yxy(72.7538, 0.2725, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	81F3C4
RGB	129, 243, 196
RGB Percent	51%, 95%, 77%
CMY	0.4941, 0.0471, 0.2313
CMYK	0.47, 0.00, 0.19, 0.05
HSL	155°, 83%, 73%
HSV	155°, 47%, 95%
XYZ	51.0701, 72.7538, 63.5893
YIQ	203.5560, -52.8570, -38.7850

Conversions

Conversions Part 2

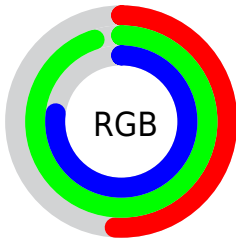
Format	Color
R_{YB}	129, 201, 243
Decimal	8516548
CIE _{Lab}	88.33, -43.21, 12.70
CIE _{LCh}	88, 45.041, 163.617
Yxy	72.7538, 0.2725, 0.3882
Android (android.graphics.Color)	4286706628 (0xFF81F3C4)
YUV	203.5560, -3.7251, -65.3856
Hunter-Lab	85.2958, -42.3925, 15.5055

Details

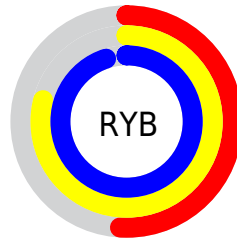
The Yxy color **72.7538, 0.2725, 0.3882** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.8912, 0.3867, 0.2783**, and the grayscale version is **60.1410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1766, 0.2746, 0.3310**, and **38.3729, 0.2628, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **70.6336, 0.2669, 0.4037**, and if you desaturate by 10%, it is **75.3628, 0.2795, 0.3736**.

Distribution



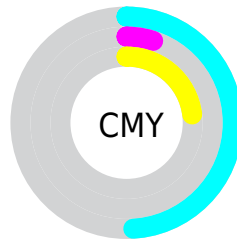
- Red (51%)
- Green (95%)
- Blue (77%)



- Red (51%)
- Yellow (79%)
- Blue (95%)



- Cyan (47%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)




- Cyan (49%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7538, 0.2725, 0.3882 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 72.7538, 0.2725, 0.3882 by changing the saturation by 10% instead.


 72.7538, 0.2725,
0.3882


 72.7538, 0.2725,
0.3882


470.1611, 0.2916,
0.3597


 53.7747, 0.2680,
0.3950


 123.1276, 0.2792,
0.3781

 38.4215, 0.2624,
0.4036

 155.2911, 0.2818,
0.3742

 26.3100, 0.2552,
0.4147


 192.6182, 0.2840,
0.3709

 17.0557, 0.2456,
0.4296

235.4933, 0.2860,
0.3680

 10.2742, 0.2323,
0.4507

284.3007, 0.2876,
0.3655

 5.5812, 0.2126,
0.4827

339.4249, 0.2891,

 2.5921, 0.1809,

0.3633

401.2502, 0.2904,
0.3614

0.5363

0.9227, 0.0000,
0.8884

0.0000, 0.0000,
0.0000

72.7538, 0.2725,
0.3882

72.7538, 0.2725,
0.3882

70.6336, 0.2669,
0.4037

75.3628, 0.2795,
0.3736

68.9601, 0.2631,
0.4197


78.4816, 0.2877,
0.3599


67.6988, 0.2613,
0.4360


82.1407, 0.2966,
0.3474


66.8057, 0.2615,
0.4522

86.3656, 0.3060,
0.3361

 66.2248, 0.2637,
0.4679

 91.1800, 0.3157,
0.3260

 66.0814, 0.2646,
0.4726

 92.5825, 0.3133,
0.3175

Harmonies

Analogous

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



72.7538, 0.3243, 0.4230



72.7538, 0.2725, 0.3882



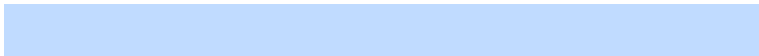
72.7538, 0.2336, 0.3342

Triad

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



72.7538, 0.2725, 0.3882



72.7538, 0.2479, 0.2432



72.7538, 0.4204, 0.3585

Complementary

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



72.7538, 0.2725, 0.3882



37.8912, 0.3867, 0.2783

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.



72.7538, 0.3970, 0.3161



72.7538, 0.2725, 0.3882



72.7538, 0.2936, 0.2528

Square

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



72.7538, 0.2725, 0.3882



72.7538, 0.2208, 0.2532



72.7538, 0.3489, 0.2787



72.7538, 0.4115, 0.3983

Rectangle

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



72.7538, 0.2725, 0.3882



72.7538, 0.2192, 0.2995



72.7538, 0.3489, 0.2787



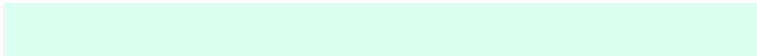
72.7538, 0.4161, 0.3443

Sweetspot

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



72.7567, 0.2725, 0.3882



92.9351, 0.2993, 0.3441



74.9767, 0.3348, 0.4645



19.6832, 0.2972, 0.3466



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.



72.7567, 0.2725, 0.3882



78.9703, 0.2673, 0.4025



69.7016, 0.2483, 0.3174



18.6355, 0.3036, 0.3389



36.2946, 0.2639, 0.4702



3.2104, 0.2585, 0.4506

Inverse Universe

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



37.8912, 0.3867, 0.2783



35.8346, 0.4096, 0.2697



38.9627, 0.4367, 0.3397



16.5958, 0.3229, 0.3193



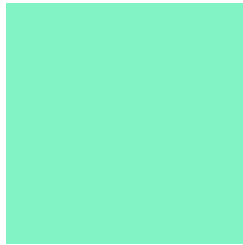
10.9897, 0.5330, 0.2710



0.9858, 0.5004, 0.2530

Previews

White Background



This preview shows how the Yxy color 72.7538, 0.2725, 0.3882 looks on a white background.

Color Contrast Check

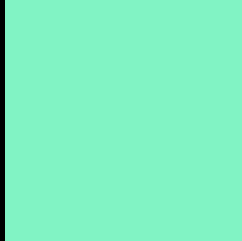
Large Text (above 18pt) WCAG AA × Fail

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 72.7538, 0.2725, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

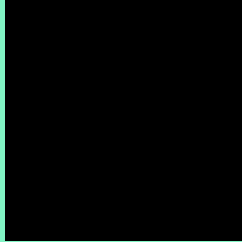
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7538, 0.2725, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 72.7538, 0.2725, 0.3882.

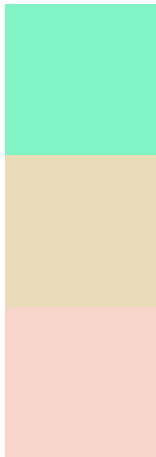


This preview shows how white text looks on a background with the Yxy color 72.7538, 0.2725, 0.3882.

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

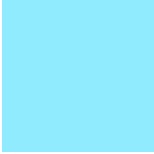
72.7538, 0.2725, 0.3882

Protanopia

71.8029, 0.3463, 0.3683

Deuteranopia

71.8568, 0.3463, 0.3395



Tritanopia

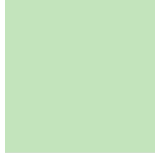
72.5922, 0.2506, 0.3069

Trichromacy



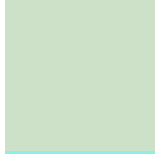
Original Color

72.7538, 0.2725, 0.3882



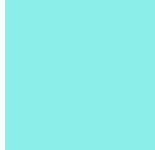
Protanomaly

70.7197, 0.3153, 0.3759



Deuteranomaly

70.4606, 0.3149, 0.3564



Tritanomaly

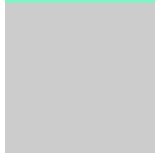
72.5212, 0.2582, 0.3348

Monochromacy



Original Color

72.7538, 0.2725, 0.3882



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.7070, 0.2950, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7538, 0.2725, 0.3882 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(129, 243, 196)` looks like.

```
.text, #text, p{  
    color:rgb(129, 243, 196)  
}
```

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(129, 243, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 243, 196) }
```

Border

The CSS property to change the border of an element to Yxy 72.7538, 0.2725, 0.3882 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(129, 243, 196) }
```

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

```
.border{ border-color:rgb(129, 243, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 243, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 243, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 243, 196);  
box-shadow:4px 4px 4px 4px rgb(129, 243,  
196) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7538, 0.2725, 0.3882$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 243, 196) }
```

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

```
.background{ background-color: rgb(129,  
243, 196) }
```

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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