

Converting Colors

$Y_{xy}(65.9701, 0.2712, 0.3750)$

Have a look what the booklet for
Yxy(65.9701, 0.2712, 0.3750)
contains.

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Color

Yxy(65.8832, 0.2712, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	82E7C4
RGB	130, 231, 196
RGB Percent	51%, 91%, 77%
CMY	0.4901, 0.0941, 0.2313
CMYK	0.44, 0.00, 0.15, 0.09
HSL	159°, 68%, 71%
HSV	159°, 44%, 91%
XYZ	47.7486, 65.8832, 62.4323
YIQ	196.8110, -48.9610, -32.2970

Conversions

Conversions Part 2

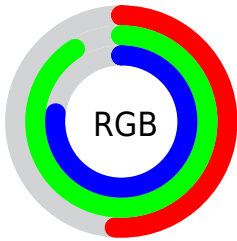
Format	Color
RYB	130, 191, 231
Decimal	8579012
CIELab	84.94, -37.60, 7.87
CIELCh	85, 38.412, 168.171
Yxy	65.8832, 0.2712, 0.3742
Android (android.graphics.Color)	4286769092 (0xFF82E7C4)
YUV	196.8110, -0.3998, -58.5932
Hunter-Lab	81.1685, -37.0395, 11.2138

Details

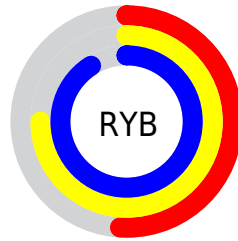
The Yxy color **65.8832, 0.2712, 0.3742** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.6761, 0.3869, 0.2892**, and the grayscale version is **55.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1766, 0.2746, 0.3310**, and **34.0294, 0.2611, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **63.9045, 0.2645, 0.3868**, and if you desaturate by 10%, it is **68.2967, 0.2793, 0.3624**.

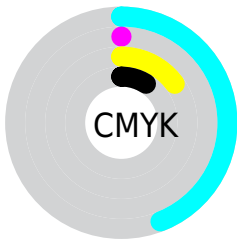
Distribution



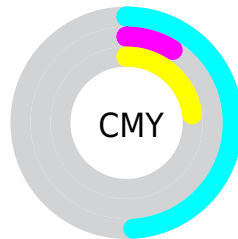
- Red (51%)
- Green (91%)
- Blue (77%)



- Red (51%)
- Yellow (75%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (49%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8832, 0.2712, 0.3742 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 65.8832, 0.2712, 0.3742 by changing the saturation by 10% instead.


 65.8832, 0.2712,
0.3742


 65.8832, 0.2712,
0.3742


445.9590, 0.2910,
0.3523

 48.1776, 0.2665,
0.3795

 113.3187, 0.2782,
0.3664

 33.9675, 0.2607,
0.3861


 143.8173, 0.2809,
0.3634

 22.8687, 0.2531,
0.3948


 179.3491, 0.2832,
0.3609

 14.4966, 0.2431,
0.4065

220.2985, 0.2852,
0.3587

 8.4668, 0.2290,
0.4233

267.0497, 0.2869,
0.3568

 4.3951, 0.2080,
0.4491

319.9873, 0.2884,

 1.8969, 0.1707,

0.3551

0.4953

379.4956, 0.2898,
0.3536

■ 0.5465, 0.0000,
0.9246

■ 0.0000, 0.0000,
0.0000

■ 65.8832, 0.2712,
0.3742

■ 65.8832, 0.2712,
0.3742

■ 63.9045, 0.2645,
0.3868

■ 68.2967, 0.2793,
0.3624

■ 62.3244, 0.2596,
0.3999

■ 71.1625, 0.2884,
0.3514


■ 61.1143, 0.2565,
0.4133

■ 74.5067, 0.2984,
0.3413

■ 60.2376, 0.2555,
0.4268


■ 78.3512, 0.3088,
0.3322

 59.6502, 0.2565,
0.4401

 82.7163, 0.3194,
0.3240

 59.3857, 0.2579,
0.4483

 84.9461, 0.3208,
0.3163

 85.4430, 0.3157,
0.3086

 85.6324, 0.3138,
0.3058

Harmonies

Analogous

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



65.8832, 0.3163, 0.4081



65.8832, 0.2712, 0.3742



65.8832, 0.2388, 0.3268

Triad

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



65.8832, 0.2712, 0.3742



65.8832, 0.2605, 0.2526



65.8832, 0.4083, 0.3619

Complementary

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



65.8832, 0.2712, 0.3742



35.6761, 0.3869, 0.2892

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.



65.8832, 0.3918, 0.3237



65.8832, 0.2712, 0.3742



65.8832, 0.3032, 0.2635

Square

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



65.8832, 0.2712, 0.3742



65.8832, 0.2332, 0.2592



65.8832, 0.3520, 0.2888



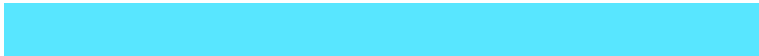
65.8832, 0.3968, 0.3956

Rectangle

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



65.8832, 0.2712, 0.3742



65.8832, 0.2277, 0.2973



65.8832, 0.3520, 0.2888



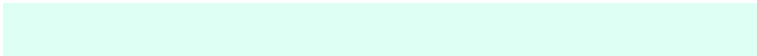
65.8832, 0.4059, 0.3492

Sweetspot

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



65.8859, 0.2712, 0.3742



93.5281, 0.2990, 0.3407



66.8028, 0.3290, 0.4560



19.8068, 0.2967, 0.3428



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.



65.8859, 0.2712, 0.3742



80.2932, 0.2654, 0.3849



59.5536, 0.2504, 0.3097



16.2471, 0.3027, 0.3373



33.3164, 0.2573, 0.4462



2.4793, 0.2519, 0.4270

Inverse Universe

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



35.6761, 0.3869, 0.2892



38.1174, 0.4096, 0.2821



38.9028, 0.4202, 0.3468



14.4500, 0.3238, 0.3209



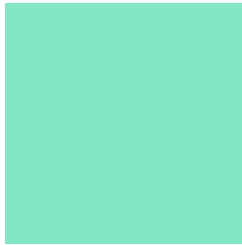
9.8703, 0.5585, 0.2850



0.7464, 0.5177, 0.2626

Previews

White Background



This preview shows how the Yxy color 65.8832, 0.2712, 0.3742 looks on a white background.

Color Contrast Check

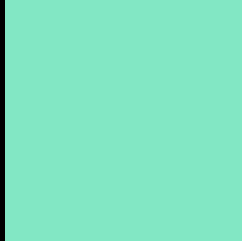
Large Text (above 18pt) WCAG AA × Fail

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 65.8832, 0.2712, 0.3742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

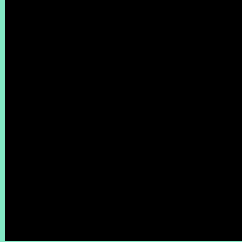
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8832, 0.2712, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 65.8832, 0.2712, 0.3742.

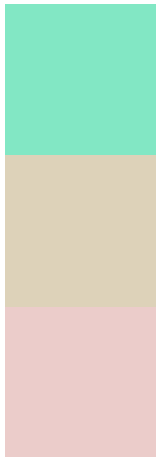


This preview shows how white text looks on a background with the Yxy color 65.8832, 0.2712, 0.3742.

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

65.8832, 0.2712, 0.3742

Protanopia

64.9681, 0.3390, 0.3574

Deuteranopia

65.1122, 0.3384, 0.3312



Tritanopia

65.5332, 0.2521, 0.3061

Trichromacy



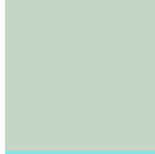
Original Color

65.8832, 0.2712, 0.3742



Protanomaly

64.5083, 0.3104, 0.3640



Deuteranomaly

64.1336, 0.3098, 0.3455



Tritanomaly

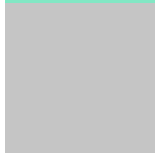
65.8324, 0.2591, 0.3301

Monochromacy



Original Color

65.8832, 0.2712, 0.3742



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.5164, 0.2946, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8832, 0.2712, 0.3742 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(130, 231, 196)` looks like.

```
.text, #text, p{  
    color:rgb(130, 231, 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(130, 231, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 231, 196) }
```

Border

The CSS property to change the border of an element to Yxy 65.8832, 0.2712, 0.3742 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(130, 231, 196) }
```

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

```
.border{ border-color:rgb(130, 231, 196) }
```

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

Here you see how a box with a 4 pixel rgb(130, 231, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 231, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 231, 196);  
box-shadow:4px 4px 4px 4px rgb(130, 231,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8832, 0.2712, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 231, 196) }
```

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

```
.background{ background-color: rgb(130,  
231, 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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