

Converting Colors

$Yxy(66.4281, 0.2721, 0.3773)$

Have a look what the booklet for
Yxy(66.4281, 0.2721, 0.3773)
contains.

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Color

Yxy(66.3992, 0.2719, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	82E8C3
RGB	130, 232, 195
RGB Percent	51%, 91%, 76%
CMY	0.4901, 0.0902, 0.2354
CMYK	0.44, 0.00, 0.16, 0.09
HSL	158°, 69%, 71%
HSV	158°, 44%, 91%
XYZ	47.9139, 66.3992, 61.9056
YIQ	197.2840, -48.9150, -33.1310

Conversions

Conversions Part 2

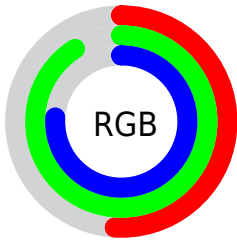
Format	Color
RYB	130, 192, 232
Decimal	8579267
CIELab	85.20, -38.27, 8.80
CIELCh	85, 39.269, 167.057
Yxy	66.3992, 0.2719, 0.3768
Android (android.graphics.Color)	4286769347 (0xFF82E8C3)
YUV	197.2840, -1.1260, -59.0081
Hunter-Lab	81.4857, -37.6414, 11.9967

Details

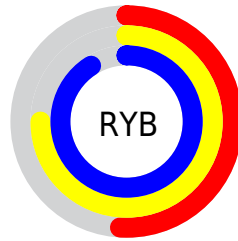
The Yxy color **66.3992, 0.2719, 0.3768** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.9221, 0.3855, 0.2870**, and the grayscale version is **56.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1131, 0.2751, 0.3321**, and **34.3902, 0.2620, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **64.3985, 0.2654, 0.3900**, and if you desaturate by 10%, it is **68.8403, 0.2798, 0.3643**.

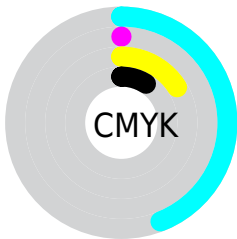
Distribution



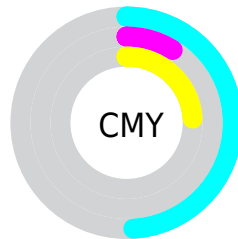
- Red (51%)
- Green (91%)
- Blue (76%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)




- Cyan (49%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3992, 0.2719, 0.3768 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 66.3992, 0.2719, 0.3768 by changing the saturation by 10% instead.

 66.3992, 0.2719,
0.3768


 66.3992, 0.2719,
0.3768


447.8032, 0.2914,
0.3536

 48.5965, 0.2673,
0.3824


 114.0591, 0.2788,
0.3685

 34.2995, 0.2615,
0.3894


 144.6851, 0.2814,
0.3654

 23.1238, 0.2541,
0.3986


 180.3544, 0.2837,
0.3627

 14.6850, 0.2442,
0.4111

221.4513, 0.2856,
0.3604

 8.5986, 0.2302,
0.4289

268.3602, 0.2874,
0.3583

 4.4803, 0.2094,
0.4564


321.4656, 0.2889,

 1.9457, 0.1727,

0.3566

0.5053

381.1518, 0.2902,
0.3550


 0.5756, 0.0000,
0.9799


 0.0000, 0.0000,
0.0000

 66.3992, 0.2719,
0.3768


 66.3992, 0.2719,
0.3768


 64.3985, 0.2654,
0.3900


 68.8403, 0.2798,
0.3643


 62.8018, 0.2606,
0.4039


 71.7397, 0.2887,
0.3527

 61.5797, 0.2578,
0.4180

 75.1238, 0.2984,
0.3421

 60.6952, 0.2569,
0.4322

 79.0148, 0.3086,
0.3325


 60.1032, 0.2581,
0.4461

 83.4334, 0.3190,
0.3239

 59.8450, 0.2596,
0.4544

 85.5989, 0.3198,
0.3158

 86.1267, 0.3144,
0.3078

 86.1945, 0.3138,
0.3068

Harmonies

Analogous

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



66.3992, 0.3181, 0.4106



66.3992, 0.2719, 0.3768



66.3992, 0.2383, 0.3285

Triad

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



66.3992, 0.2719, 0.3768



66.3992, 0.2581, 0.2512



66.3992, 0.4101, 0.3609

Complementary

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



66.3992, 0.2719, 0.3768



35.9221, 0.3855, 0.2870

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.



66.3992, 0.3922, 0.3221



66.3992, 0.2719, 0.3768



66.3992, 0.3012, 0.2617

Square

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



66.3992, 0.2719, 0.3768



66.3992, 0.2312, 0.2585



66.3992, 0.3510, 0.2869



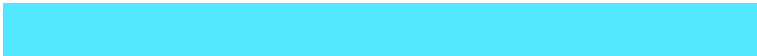
66.3992, 0.3993, 0.3957

Rectangle

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



66.3992, 0.2719, 0.3768



66.3992, 0.2265, 0.2981



66.3992, 0.3510, 0.2869



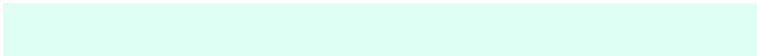
66.3992, 0.4073, 0.3480

Sweetspot

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



66.4019, 0.2719, 0.3768



93.4948, 0.2993, 0.3412



67.5885, 0.3303, 0.4564



19.7985, 0.2971, 0.3435



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.



66.4019, 0.2719, 0.3768



79.9550, 0.2658, 0.3891



60.9284, 0.2505, 0.3118



16.2429, 0.3030, 0.3377



33.2479, 0.2589, 0.4522



2.4746, 0.2533, 0.4320

Inverse Universe

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



35.9221, 0.3855, 0.2870



37.5186, 0.4098, 0.2791



38.6027, 0.4220, 0.3449



14.4541, 0.3236, 0.3205



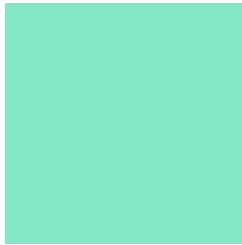
9.9037, 0.5520, 0.2815



0.7492, 0.5118, 0.2593

Previews

White Background



This preview shows how the Yxy color 66.3992, 0.2719, 0.3768 looks on a white background.

Color Contrast Check

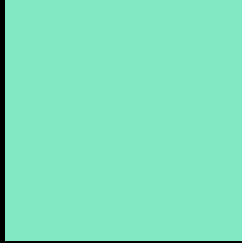
Large Text (above 18pt) WCAG AA × Fail

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 66.3992, 0.2719, 0.3768 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

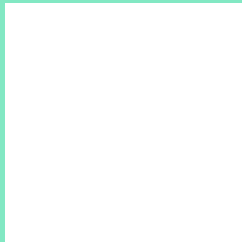
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3992, 0.2719, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 66.3992, 0.2719, 0.3768.

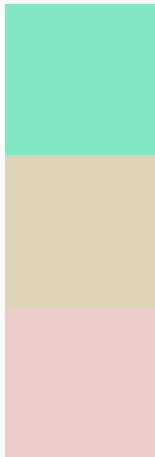


This preview shows how white text looks on a background with the Yxy color 66.3992, 0.2719, 0.3768.

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

66.3992, 0.2719, 0.3768

Protanopia

65.5788, 0.3403, 0.3596

Deuteranopia

65.2356, 0.3399, 0.3323



Tritanopia

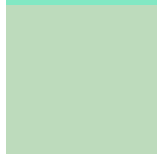
66.1611, 0.2528, 0.3073

Trichromacy



Original Color

66.3992, 0.2719, 0.3768



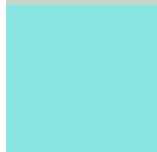
Protanomaly

65.1127, 0.3117, 0.3664



Deuteranomaly

64.0870, 0.3104, 0.3467



Tritanomaly

66.3811, 0.2593, 0.3313

Monochromacy



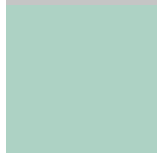
Original Color

66.3992, 0.2719, 0.3768



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.9629, 0.2953, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3992, 0.2719, 0.3768 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, 232, 195)` looks like.

```
.text, #text, p{  
    color:rgb(130, 232, 195)  
}
```

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, 232, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 232, 195) }
```

Border

The CSS property to change the border of an element to Yxy 66.3992, 0.2719, 0.3768 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, 232, 195) }
```

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

```
.border{ border-color:rgb(130, 232, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 232, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 232, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 232, 195);  
box-shadow:4px 4px 4px 4px rgb(130, 232,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3992, 0.2719, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 232, 195) }
```

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

```
.background{ background-color: rgb(130,  
232, 195) }
```

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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