

Converting Colors

$Yxy(52.2226, 0.2778, 0.3666)$

Have a look what the booklet for
Yxy(52.2226, 0.2778, 0.3666)
contains.

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Color

Yxy(52.2226, 0.2778, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	83CEB3
RGB	131, 206, 179
RGB Percent	51%, 81%, 70%
CMY	0.4862, 0.1922, 0.2979
CMYK	0.36, 0.00, 0.13, 0.19
HSL	158°, 43%, 66%
HSV	158°, 36%, 81%
XYZ	39.5729, 52.2226, 50.6556
YIQ	180.4970, -36.0330, -24.2970

Conversions

Conversions Part 2

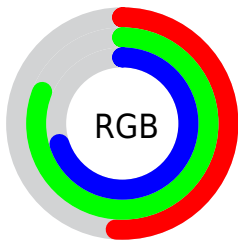
Format	Color
RYB	131, 177, 206
Decimal	8638131
CIELab	77.41, -29.29, 6.09
CIElCh	77, 29.915, 168.261
Yxy	52.2226, 0.2778, 0.3666
Android (android.graphics.Color)	4286828211 (0xFF83CEB3)
YUV	180.4970, -0.7380, -43.4089
Hunter-Lab	72.2652, -28.7163, 9.0252

Details

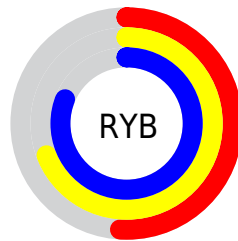
The Yxy color **52.2226, 0.2778, 0.3666** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.8298, 0.3681, 0.2948**, and the grayscale version is **45.9464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9573, 0.2831, 0.3507**, and **25.2174, 0.2680, 0.3777** is the 20% darker color. If you saturate the color by 10%, you get **50.4478, 0.2702, 0.3790**, and if you desaturate by 10%, it is **54.3448, 0.2865, 0.3550**.

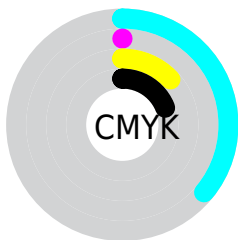
Distribution



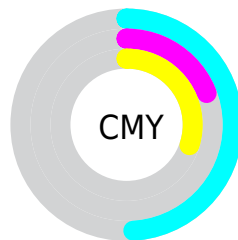
- Red (51%)
- Green (81%)
- Blue (70%)



- Red (51%)
- Yellow (69%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)




- Cyan (49%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2226, 0.2778, 0.3666 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 52.2226, 0.2778, 0.3666 by changing the saturation by 10% instead.


 52.2226, 0.2778,
0.3666

 52.2226, 0.2778,
0.3666


395.2954, 0.2951,
0.3477


 37.1825, 0.2735,
0.3713

 93.4594, 0.2841,
0.3597

 25.3489, 0.2681,
0.3774


 120.4250, 0.2864,
0.3571

 16.3372, 0.2609,
0.3856

 152.1345, 0.2884,
0.3550

 9.7630, 0.2509,
0.3970

188.9724, 0.2901,
0.3531

 5.2421, 0.2362,
0.4141

231.3231, 0.2916,
0.3515

 2.3900, 0.2127,
0.4426

279.5708, 0.2929,


 0.8207, 0.0481,


0.3501


0.6062


334.1001, 0.2941,
0.3488

 0.0000, 0.0000,
0.0000

 52.2226, 0.2778,
0.3666


 52.2226, 0.2778,
0.3666


 50.4478, 0.2702,
0.3790


 54.3448, 0.2865,
0.3550


 48.9943, 0.2641,
0.3922


 56.8260, 0.2960,
0.3444


 47.8424, 0.2597,
0.4059

 59.6854, 0.3061,
0.3347

 46.9675, 0.2572,
0.4198

 62.9385, 0.3165,
0.3260

 46.3410, 0.2567,
0.4337

 66.6003, 0.3269,
0.3182

■ 45.9264, 0.2582,
0.4474

■ 70.6848, 0.3372,
0.3114

■ 45.8045, 0.2590,
0.4522

■ 71.1655, 0.3321,
0.3041

■ 71.5930, 0.3267,
0.2968

■ 72.0384, 0.3214,
0.2898

Harmonies

Analogous

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



52.2226, 0.3161, 0.3947



52.2226, 0.2778, 0.3666



52.2226, 0.2499, 0.3275

Triad

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



52.2226, 0.2778, 0.3666



52.2226, 0.2686, 0.2638



52.2226, 0.3931, 0.3578

Complementary

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



52.2226, 0.2778, 0.3666



31.8298, 0.3681, 0.2948

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.



52.2226, 0.3792, 0.3251



52.2226, 0.2778, 0.3666



52.2226, 0.3051, 0.2731

Square

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



52.2226, 0.2778, 0.3666



52.2226, 0.2450, 0.2699



52.2226, 0.3461, 0.2950



52.2226, 0.3838, 0.3860

Rectangle

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



52.2226, 0.2778, 0.3666



52.2226, 0.2403, 0.3028



52.2226, 0.3461, 0.2950



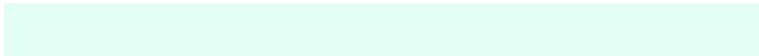
52.2226, 0.3910, 0.3471

Sweetspot

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



52.2247, 0.2778, 0.3666



94.4298, 0.3013, 0.3391



53.1025, 0.3280, 0.4315



20.0766, 0.2999, 0.3405



0.0000, 0.0000, 0.0000



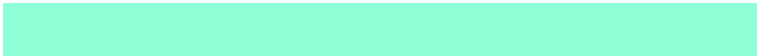
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2247, 0.2778, 0.3666



82.2294, 0.2715, 0.3767



48.7641, 0.2602, 0.3152



12.6559, 0.3031, 0.3375



28.2248, 0.2584, 0.4503



1.4703, 0.2510, 0.4237

Inverse Universe

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



31.8298, 0.3681, 0.2948



44.2706, 0.3866, 0.2872



33.8174, 0.3954, 0.3421



11.2793, 0.3234, 0.3207



8.4023, 0.5519, 0.2814



0.4479, 0.4976, 0.2515

Previews

White Background



This preview shows how the Yxy color 52.2226, 0.2778, 0.3666 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 52.2226, 0.2778, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

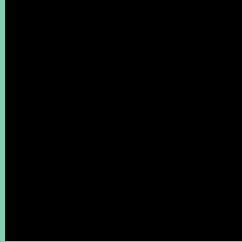
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

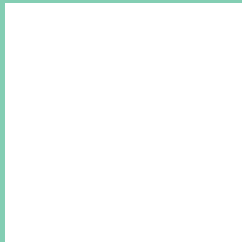
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2226, 0.2778, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 52.2226, 0.2778, 0.3666.



This preview shows how white text looks on a background with the Yxy color 52.2226, 0.2778, 0.3666.

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

52.2226, 0.2778, 0.3666

Protanopia

51.7350, 0.3350, 0.3540

Deuteranopia

51.5906, 0.3359, 0.3291



Tritanopia

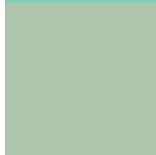
52.3585, 0.2601, 0.3080

Trichromacy



Original Color

52.2226, 0.2778, 0.3666



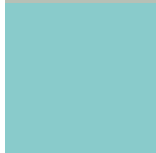
Protanomaly

51.4957, 0.3121, 0.3592



Deuteranomaly

51.0218, 0.3121, 0.3418



Tritanomaly

52.3420, 0.2667, 0.3289

Monochromacy



Original Color

52.2226, 0.2778, 0.3666



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

47.9087, 0.2985, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2226, 0.2778, 0.3666 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(131, 206, 179)` looks like.

```
.text, #text, p{  
    color:rgb(131, 206, 179)  
}
```

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(131, 206, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 206, 179) }
```

Border

The CSS property to change the border of an element to Yxy 52.2226, 0.2778, 0.3666 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(131, 206, 179) }
```

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

```
.border{ border-color:rgb(131, 206, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 206, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 206, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 206, 179); box-shadow:4px 4px 4px 4px rgb(131, 206, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2226, 0.2778, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 206, 179) }
```

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

```
.background{ background-color: rgb(131,  
206, 179) }
```

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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