

Converting Colors

Yxy(59.7658, 0.2707, 0.3623)

Have a look what the booklet for
Yxy(59.7658, 0.2707, 0.3623)
contains.

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Color

Yxy(59.9518, 0.2706, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	83DCC3
RGB	131, 220, 195
RGB Percent	51%, 86%, 76%
CMY	0.4859, 0.1373, 0.2352
CMYK	0.40, 0.00, 0.11, 0.14
HSL	163°, 56%, 69%
HSV	163°, 40%, 86%
XYZ	44.8148, 59.9518, 60.8461
YIQ	190.5390, -45.0190, -26.6430

Conversions

Conversions Part 2

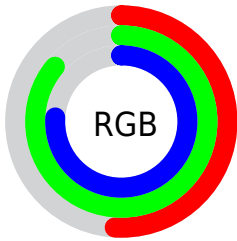
Format	Color
RYB	131, 183, 220
Decimal	8641731
CIELab	81.81, -32.44, 3.91
CIELCh	82, 32.675, 173.135
Yxy	59.9518, 0.2706, 0.3620
Android (android.graphics.Color)	4286831811 (0xFF83DCC3)
YUV	190.5390, 2.1993, -52.2157
Hunter-Lab	77.4285, -32.1861, 7.6078

Details

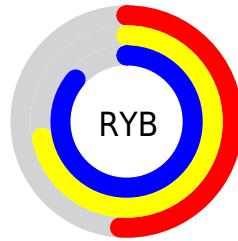
The Yxy color **59.9518, 0.2706, 0.3620** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8739, 0.3854, 0.2991**, and the grayscale version is **51.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1131, 0.2751, 0.3321**, and **30.3292, 0.2599, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **58.1048, 0.2628, 0.3718**, and if you desaturate by 10%, it is **62.1882, 0.2797, 0.3528**.

Distribution



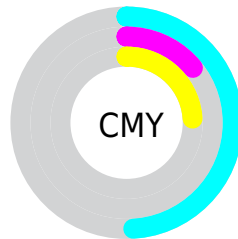
- Red (51%)
- Green (86%)
- Blue (76%)



- Red (51%)
- Yellow (72%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9518, 0.2706, 0.3620 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 59.9518, 0.2706, 0.3620 by changing the saturation by 10% instead.


 59.9518, 0.2706,
0.3620

 59.9518, 0.2706,
0.3620

424.4201, 0.2908,
0.3459


 43.3798, 0.2658,
0.3659

 104.7597, 0.2778,
0.3563

 30.1832, 0.2597,
0.3708


 133.7645, 0.2805,
0.3541

 19.9777, 0.2519,
0.3772

 167.6822, 0.2829,
0.3522

 12.3788, 0.2414,
0.3859

206.8974, 0.2849,
0.3506

 7.0022, 0.2265,
0.3984

251.7943, 0.2867,
0.3492

 3.4635, 0.2041,
0.4179

302.7575, 0.2882,

 1.3782, 0.1507,

0.3480

0.4606

360.1713, 0.2896,
0.3469

■ 0.2006, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9518, 0.2706,
0.3620

■ 59.9518, 0.2706,
0.3620

■ 58.1048, 0.2628,
0.3718

■ 62.1882, 0.2797,
0.3528

■ 56.6160, 0.2567,
0.3821

■ 64.8286, 0.2899,
0.3442


■ 55.4612, 0.2524,
0.3926

■ 67.8955, 0.3008,
0.3364

■ 54.6098, 0.2502,
0.4033


■ 71.4079, 0.3122,
0.3293

 54.0256, 0.2499,
0.4139


 75.3833, 0.3239,
0.3229

 53.6557, 0.2511,
0.4240

 78.2726, 0.3297,
0.3170

 78.6303, 0.3255,
0.3109

 79.0005, 0.3213,
0.3050

 79.3833, 0.3172,
0.2991

Harmonies

Analogous

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



59.9518, 0.3093, 0.3943



59.9518, 0.2706, 0.3620



59.9518, 0.2442, 0.3207

Triad

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



59.9518, 0.2706, 0.3620



59.9518, 0.2722, 0.2617



59.9518, 0.3967, 0.3641

Complementary

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



59.9518, 0.2706, 0.3620



33.8739, 0.3854, 0.2991

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.



59.9518, 0.3860, 0.3303



59.9518, 0.2706, 0.3620



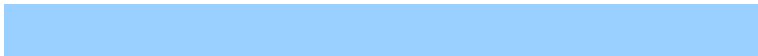
59.9518, 0.3117, 0.2738

Square

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



59.9518, 0.2706, 0.3620



59.9518, 0.2452, 0.2652



59.9518, 0.3540, 0.2982



59.9518, 0.3831, 0.3920

Rectangle

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



59.9518, 0.2706, 0.3620



59.9518, 0.2362, 0.2959



59.9518, 0.3540, 0.2982



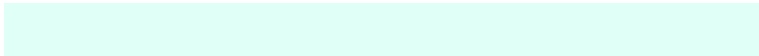
59.9518, 0.3959, 0.3531

Sweetspot

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



59.9542, 0.2706, 0.3620



94.1099, 0.2989, 0.3377



59.9179, 0.3239, 0.4466



20.0180, 0.2975, 0.3387



0.0000, 0.0000, 0.0000



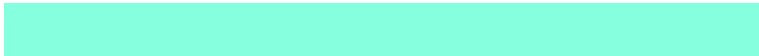
21.4041, 0.3127, 0.3290

Same Dimension

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



59.9542, 0.2706, 0.3620



81.6738, 0.2643, 0.3698



51.6461, 0.2534, 0.3035



14.7639, 0.3019, 0.3357



31.5133, 0.2507, 0.4224



2.0560, 0.2459, 0.4052

Inverse Universe

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



33.8739, 0.3854, 0.2991



40.7154, 0.4077, 0.2936



38.7807, 0.4053, 0.3526



13.1114, 0.3248, 0.3225



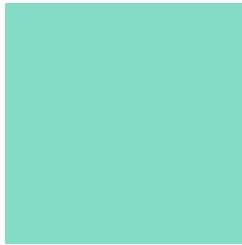
9.1493, 0.5818, 0.2978



0.6073, 0.5348, 0.2720

Previews

White Background



This preview shows how the Yxy color 59.9518, 0.2706, 0.3620 looks on a white background.

Color Contrast Check

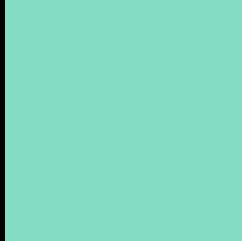
Large Text (above 18pt) WCAG AA × Fail

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 59.9518, 0.2706, 0.3620 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

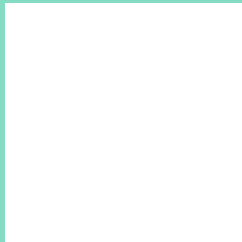
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.9518, 0.2706, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 59.9518, 0.2706, 0.3620.

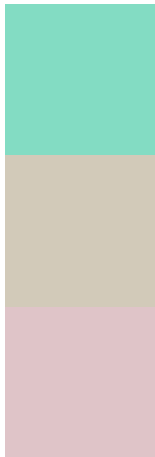


This preview shows how white text looks on a background with the Yxy color 59.9518, 0.2706, 0.3620.

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

59.9518, 0.2706, 0.3620

Protanopia

59.4455, 0.3315, 0.3491

Deuteranopia

59.3380, 0.3314, 0.3245



Tritanopia

60.0025, 0.2548, 0.3077

Trichromacy



Original Color

59.9518, 0.2706, 0.3620



Protanomaly

59.0988, 0.3056, 0.3539



Deuteranomaly

58.6870, 0.3063, 0.3375



Tritanomaly

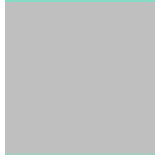
60.0585, 0.2603, 0.3263

Monochromacy



Original Color

59.9518, 0.2706, 0.3620



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.4818, 0.2949, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9518, 0.2706, 0.3620 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, 220, 195)` looks like.

```
.text, #text, p{  
    color:rgb(131, 220, 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(131, 220, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 220, 195) }
```

Border

The CSS property to change the border of an element to Yxy 59.9518, 0.2706, 0.3620 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, 220, 195) }
```

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

```
.border{ border-color:rgb(131, 220, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 220, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 220, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 220, 195); box-shadow:4px 4px 4px 4px rgb(131, 220, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9518, 0.2706, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 220, 195) }
```

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

```
.background{ background-color: rgb(131,  
220, 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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