

Converting Colors

$Yxy(59.0372, 0.2514, 0.3480)$

Have a look what the booklet for
Yxy(59.0372, 0.2514, 0.3480)
contains.

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Color

Yxy(59.1015, 0.2512, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	67DDCF
RGB	103, 221, 207
RGB Percent	40%, 87%, 81%
CMY	0.5966, 0.1332, 0.1883
CMYK	0.53, 0.00, 0.06, 0.13
HSL	173°, 63%, 64%
HSV	173°, 53%, 87%
XYZ	42.6986, 59.1015, 68.1783
YIQ	184.1220, -65.8340, -29.3700

Conversions

Conversions Part 2

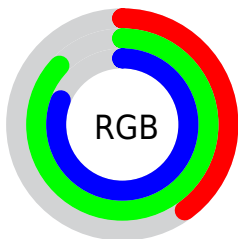
Format	Color
RYB	103, 166, 221
Decimal	6806991
CIELab	81.35, -36.66, -3.26
CIELCh	81, 36.808, 185.086
Yxy	59.1015, 0.2512, 0.3477
Android (android.graphics.Color)	4284997071 (0xFF67DDCF)
YUV	184.1220, 11.2789, -71.1440
Hunter-Lab	76.8775, -35.3948, 1.2333

Details

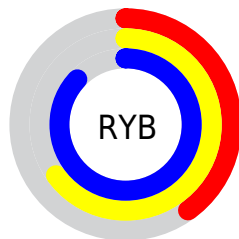
The Yxy color **59.1015, 0.2512, 0.3477** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **26.3301, 0.4504, 0.3132**, and the grayscale version is **47.9489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **29.5335, 0.2357, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **57.8398, 0.2444, 0.3518**, and if you desaturate by 10%, it is **60.7151, 0.2599, 0.3437**.

Distribution



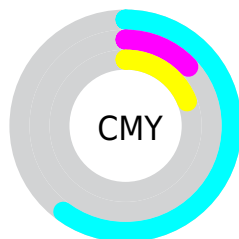
- Red (40%)
- Green (87%)
- Blue (81%)



- Red (40%)
- Yellow (65%)
- Blue (87%)



- Cyan (53%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)





- Cyan (60%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1015, 0.2512, 0.3477 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 59.1015, 0.2512, 0.3477 by changing the saturation by 10% instead.

 59.1015, 0.2512,
0.3477


 59.1015, 0.2512,
0.3477


421.2780, 0.2804,
0.3391


 42.6948, 0.2444,
0.3496


 103.5252, 0.2615,
0.3447

 29.6457, 0.2359,
0.3520


 132.3110, 0.2654,
0.3436

 19.5699, 0.2250,
0.3550


 165.9919, 0.2688,
0.3426

 12.0828, 0.2107,
0.3588

204.9524, 0.2717,
0.3417

 6.8001, 0.1909,
0.3637

249.5769, 0.2743,
0.3409

 3.3374, 0.1621,
0.3703

300.2497, 0.2766,

 1.3103, 0.0892,

0.3403

357.3553, 0.2786,
0.3396

0.3908

0.1492, 0.0000,
0.2764

0.0000, 0.0000,
0.0000

59.1015, 0.2512,
0.3477

59.1015, 0.2512,
0.3477

57.8398, 0.2444,
0.3518

60.7151, 0.2599,
0.3437

56.8952, 0.2394,
0.3559


62.6986, 0.2701,
0.3399

56.2379, 0.2365,
0.3601

65.0769, 0.2817,
0.3364


55.8288, 0.2353,
0.3642


67.8706, 0.2944,
0.3330


 55.6538, 0.2353,
0.3669

 71.0992, 0.3079,
0.3300

 74.7806, 0.3219,
0.3272

 78.4403, 0.3343,
0.3247

 78.5850, 0.3324,
0.3221

 78.7320, 0.3306,
0.3195

Harmonies

Analogous

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



59.1015, 0.2901, 0.3913



59.1015, 0.2512, 0.3477



59.1015, 0.2293, 0.3017

Triad

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



59.1015, 0.2512, 0.3477



59.1015, 0.2833, 0.2572



59.1015, 0.4046, 0.3817

Complementary

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



59.1015, 0.2512, 0.3477



26.3301, 0.4504, 0.3132

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.



59.1015, 0.4039, 0.3452



59.1015, 0.2512, 0.3477



59.1015, 0.3308, 0.2766

Square

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



59.1015, 0.2512, 0.3477



59.1015, 0.2468, 0.2537



59.1015, 0.3762, 0.3078



59.1015, 0.3792, 0.4084

Rectangle

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



59.1015, 0.2512, 0.3477



59.1015, 0.2261, 0.2776



59.1015, 0.3762, 0.3078



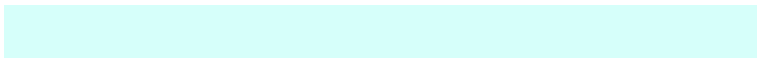
59.1015, 0.4075, 0.3701

Sweetspot

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



59.1038, 0.2512, 0.3477



92.7580, 0.2910, 0.3339



56.5954, 0.3138, 0.4952



19.6791, 0.2883, 0.3346



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.



59.1038, 0.2512, 0.3477



79.8187, 0.2438, 0.3522



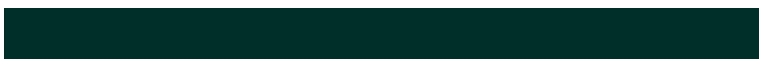
39.8167, 0.2321, 0.2680



14.8015, 0.2998, 0.3318



32.3342, 0.2351, 0.3662



2.1025, 0.2332, 0.3595

Inverse Universe

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



26.3301, 0.4504, 0.3132



30.0315, 0.4976, 0.3118



36.9671, 0.4379, 0.3802



13.0766, 0.3273, 0.3263



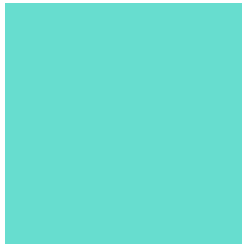
8.9826, 0.6247, 0.3215



0.5905, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 59.1015, 0.2512, 0.3477 looks on a white background.

Color Contrast Check

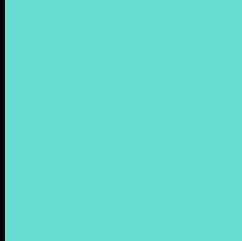
Large Text (above 18pt) WCAG AA × Fail

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 59.1015, 0.2512, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

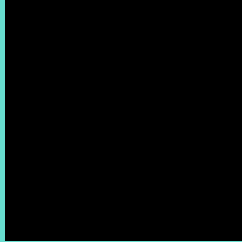
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

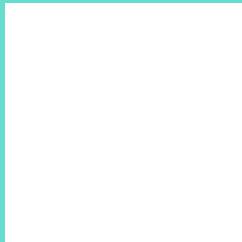
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1015, 0.2512, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 59.1015, 0.2512, 0.3477.

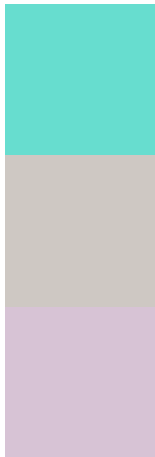


This preview shows how white text looks on a background with the Yxy color 59.1015, 0.2512, 0.3477.

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

59.1015, 0.2512, 0.3477

Protanopia

58.3705, 0.3211, 0.3349

Deuteranopia

58.2814, 0.3153, 0.3085



Tritanopia

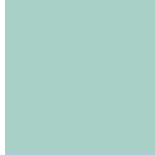
59.0110, 0.2412, 0.3071

Trichromacy



Original Color

59.1015, 0.2512, 0.3477



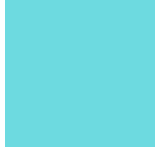
Protanomaly

57.5601, 0.2898, 0.3403



Deuteranomaly

56.8876, 0.2860, 0.3203



Tritanomaly

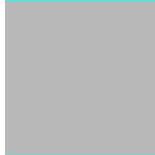
58.7758, 0.2448, 0.3210

Monochromacy



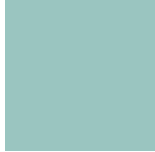
Original Color

59.1015, 0.2512, 0.3477



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.6083, 0.2839, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1015, 0.2512, 0.3477 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(103, 221, 207)` looks like.

```
.text, #text, p{  
    color:rgb(103, 221, 207)  
}
```

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(103, 221, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 221, 207) }
```

Border

The CSS property to change the border of an element to Yxy 59.1015, 0.2512, 0.3477 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(103, 221, 207) }
```

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

```
.border{ border-color:rgb(103, 221, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 221, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 221, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 221, 207);  
box-shadow:4px 4px 4px 4px rgb(103, 221,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1015, 0.2512, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 221, 207) }
```

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

```
.background{ background-color: rgb(103,  
221, 207) }
```

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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