

Converting Colors

$Y_{xy}(59.1398, 0.2470, 0.3475)$

Have a look what the booklet for
Yxy(59.1398, 0.2470, 0.3475)
contains.

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Color

Yxy(59.1238, 0.2472, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	5DDED0
RGB	93, 222, 208
RGB Percent	36%, 87%, 82%
CMY	0.6350, 0.1294, 0.1845
CMYK	0.58, 0.00, 0.06, 0.13
HSL	173°, 66%, 62%
HSV	173°, 58%, 87%
XYZ	42.0224, 59.1238, 68.8474
YIQ	181.8330, -72.3900, -31.7020

Conversions

Conversions Part 2

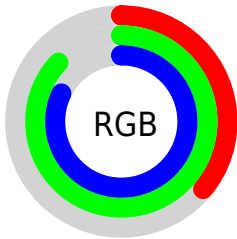
Format	Color
RYB	93, 161, 222
Decimal	6151888
CIELab	81.36, -38.75, -3.80
CIElCh	81, 38.934, 185.601
Yxy	59.1238, 0.2472, 0.3478
Android (android.graphics.Color)	4284341968 (0xFF5DDED0)
YUV	181.8330, 12.9003, -77.9065
Hunter-Lab	76.8920, -37.0085, 0.7374

Details

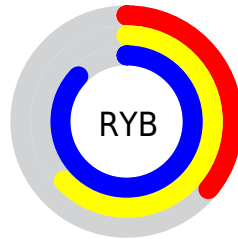
The Yxy color **59.1238, 0.2472, 0.3478** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.4360, 0.4714, 0.3138**, and the grayscale version is **46.6522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **29.6055, 0.2309, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **58.0118, 0.2412, 0.3516**, and if you desaturate by 10%, it is **60.5784, 0.2551, 0.3441**.

Distribution



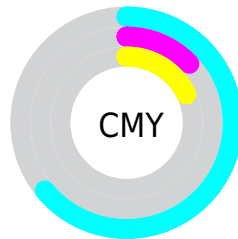
- Red (36%)
- Green (87%)
- Blue (82%)



- Red (36%)
- Yellow (63%)
- Blue (87%)



- Cyan (58%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)




- Cyan (64%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1238, 0.2472, 0.3478 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 59.1238, 0.2472, 0.3478 by changing the saturation by 10% instead.


 59.1238, 0.2472,
0.3478

 59.1238, 0.2472,
0.3478


421.3605, 0.2782,
0.3392


 42.7128, 0.2400,
0.3497


 103.5576, 0.2581,
0.3449


 29.6598, 0.2310,
0.3520


 132.3491, 0.2623,
0.3437

 19.5805, 0.2195,
0.3549


 166.0363, 0.2659,
0.3427

 12.0905, 0.2043,
0.3585

 205.0035, 0.2690,
0.3418

 6.8053, 0.1836,
0.3632

249.6352, 0.2717,
0.3411

 3.3407, 0.1536,
0.3691

300.3156, 0.2741,

 1.3121, 0.0741,

0.3404

0.3900

357.4293, 0.2763,
0.3398

■ 0.1505, 0.0000,
0.2595

■ 0.0000, 0.0000,
0.0000

■ 59.1238, 0.2472,
0.3478

■ 59.1238, 0.2472,
0.3478

■ 58.0118, 0.2412,
0.3516

■ 60.5784, 0.2551,
0.3441

■ 57.2055, 0.2371,
0.3553


■ 62.3953, 0.2647,
0.3406


■ 56.6721, 0.2349,
0.3591

■ 64.6004, 0.2759,
0.3372

■ 56.3610, 0.2344,
0.3629

■ 67.2155, 0.2882,
0.3341


 56.3119, 0.2343,
0.3636

 70.2609, 0.3015,
0.3312

 73.7553, 0.3154,
0.3285

 77.7164, 0.3297,
0.3261

 79.0652, 0.3328,
0.3238

 79.1998, 0.3311,
0.3214

Harmonies

Analogous

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



59.1238, 0.2878, 0.3946



59.1238, 0.2472, 0.3478



59.1238, 0.2247, 0.2991

Triad

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



59.1238, 0.2472, 0.3478



59.1238, 0.2824, 0.2537



59.1238, 0.4095, 0.3849

Complementary

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



59.1238, 0.2472, 0.3478



24.4360, 0.4714, 0.3138

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.



59.1238, 0.4095, 0.3464



59.1238, 0.2472, 0.3478



59.1238, 0.3326, 0.2743

Square

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



59.1238, 0.2472, 0.3478



59.1238, 0.2437, 0.2496



59.1238, 0.3805, 0.3072



59.1238, 0.3821, 0.4132

Rectangle

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



59.1238, 0.2472, 0.3478



59.1238, 0.2216, 0.2740



59.1238, 0.3805, 0.3072



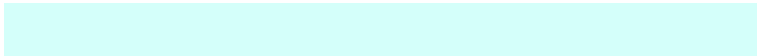
59.1238, 0.4128, 0.3726

Sweetspot

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



59.1261, 0.2472, 0.3478



92.3848, 0.2894, 0.3338



56.2299, 0.3120, 0.5114



19.6066, 0.2868, 0.3344



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.



59.1261, 0.2472, 0.3478



79.1080, 0.2400, 0.3525



37.3315, 0.2254, 0.2584



15.5453, 0.2996, 0.3315



33.4583, 0.2342, 0.3630



2.3266, 0.2326, 0.3572

Inverse Universe

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



24.4360, 0.4714, 0.3138



27.3414, 0.5271, 0.3135



35.8160, 0.4512, 0.3862



13.7247, 0.3275, 0.3265



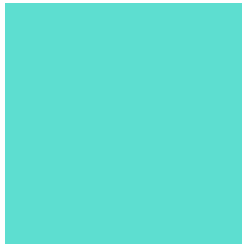
9.2718, 0.6266, 0.3225



0.6509, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 59.1238, 0.2472, 0.3478 looks on a white background.

Color Contrast Check

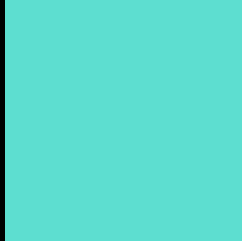
Large Text (above 18pt) WCAG AA × Fail

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 59.1238, 0.2472, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

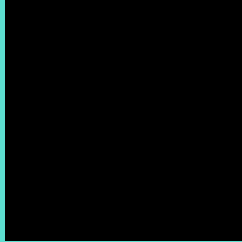
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

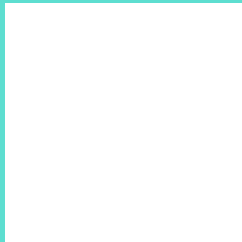
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1238, 0.2472, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 59.1238, 0.2472, 0.3478.

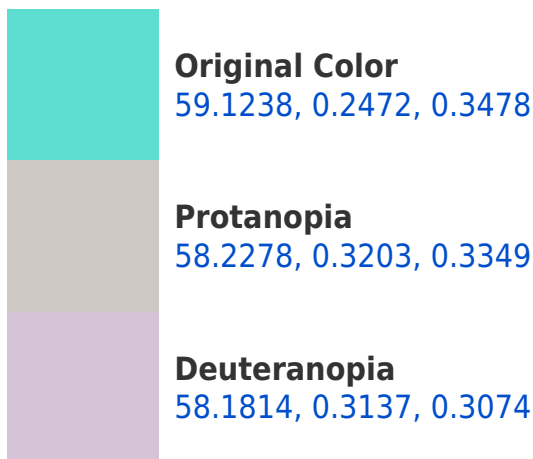


This preview shows how white text looks on a background with the Yxy color 59.1238, 0.2472, 0.3478.

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





Tritanopia

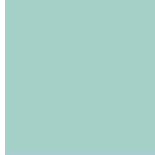
59.1420, 0.2374, 0.3058

Trichromacy



Original Color

59.1238, 0.2472, 0.3478



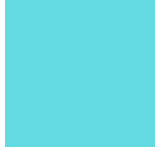
Protanomaly

57.1744, 0.2864, 0.3391



Deuteranomaly

56.9622, 0.2827, 0.3202



Tritanomaly

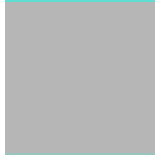
58.8633, 0.2406, 0.3196

Monochromacy



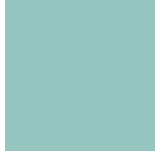
Original Color

59.1238, 0.2472, 0.3478



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.1781, 0.2817, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1238, 0.2472, 0.3478 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(93, 222, 208)` looks like.

```
.text, #text, p{  
    color:rgb(93, 222, 208)  
}
```

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(93, 222, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 222, 208) }
```

Border

The CSS property to change the border of an element to Yxy 59.1238, 0.2472, 0.3478 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(93, 222, 208) }
```

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

```
.border{ border-color:rgb(93, 222, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 222, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 222, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 222, 208);  
box-shadow:4px 4px 4px 4px rgb(93, 222,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1238, 0.2472, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 222, 208) }
```

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

```
.background{ background-color: rgb(93, 222,  
208) }
```

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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