

Converting Colors

$Yxy(58.1303, 0.2467, 0.3459)$

Have a look what the booklet for
Yxy(58.1303, 0.2467, 0.3459)
contains.

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Color

Yxy(58.0676, 0.2466, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	5DDCD0
RGB	93, 220, 208
RGB Percent	36%, 86%, 82%
CMY	0.6353, 0.1372, 0.1843
CMYK	0.58, 0.00, 0.05, 0.14
HSL	174°, 64%, 61%
HSV	174°, 58%, 86%
XYZ	41.4937, 58.0676, 68.7018
YIQ	180.6590, -71.8400, -30.6560

Conversions

Conversions Part 2

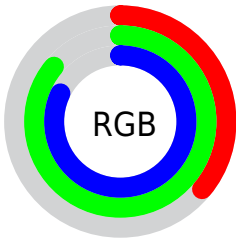
Format	Color
RYB	93, 160, 220
Decimal	6151376
CIELab	80.78, -37.84, -4.68
CIELCh	81, 38.127, 187.057
Yxy	58.0676, 0.2466, 0.3451
Android (android.graphics.Color)	4284341456 (0xFF5DDCD0)
YUV	180.6590, 13.4791, -76.8769
Hunter-Lab	76.2021, -36.1566, -0.1129

Details

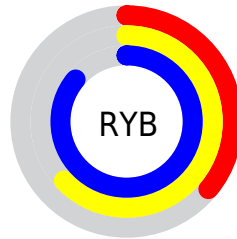
The Yxy color **58.0676, 0.2466, 0.3451** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.0661, 0.4724, 0.3160**, and the grayscale version is **45.9721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **28.8840, 0.2299, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **56.9806, 0.2404, 0.3483**, and if you desaturate by 10%, it is **59.4906, 0.2547, 0.3419**.

Distribution



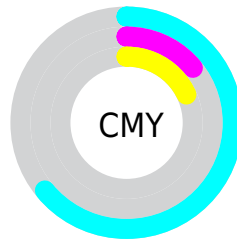
- Red (36%)
- Green (86%)
- Blue (82%)



- Red (36%)
- Yellow (63%)
- Blue (86%)



- Cyan (58%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (64%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0676, 0.2466, 0.3451 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 58.0676, 0.2466, 0.3451 by changing the saturation by 10% instead.


 58.0676, 0.2466,
0.3451

 58.0676, 0.2466,
0.3451


417.4378, 0.2780,
0.3379

 41.8630, 0.2393,
0.3467

 102.0213, 0.2576,
0.3426

 28.9940, 0.2302,
0.3486


 130.5392, 0.2619,
0.3417

 19.0763, 0.2185,
0.3509


 163.9303, 0.2655,
0.3408

 11.7254, 0.2031,
0.3537

 202.5790, 0.2687,
0.3401

 6.5570, 0.1820,
0.3572

246.8697, 0.2714,
0.3394

 3.1866, 0.1515,
0.3613

297.1868, 0.2738,

 1.2299, 0.0651,

0.3389

0.3808

353.9147, 0.2760,
0.3383

0.0859, 0.0000,
0.1695

0.0000, 0.0000,
0.0000

58.0676, 0.2466,
0.3451

58.0676, 0.2466,
0.3451

56.9806, 0.2404,
0.3483

59.4906, 0.2547,
0.3419

56.1936, 0.2361,
0.3516


61.2686, 0.2645,
0.3389

55.6746, 0.2338,
0.3548


63.4270, 0.2758,
0.3360

55.3762, 0.2331,
0.3580

65.9870, 0.2883,
0.3333

 55.3218, 0.2330,
0.3587

 68.9683, 0.3018,
0.3308

 72.3893, 0.3160,
0.3285

 76.2672, 0.3305,
0.3264

 77.8637, 0.3349,
0.3244

 77.9775, 0.3334,
0.3224

Harmonies

Analogous

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



58.0676, 0.2860, 0.3917



58.0676, 0.2466, 0.3451



58.0676, 0.2253, 0.2976

Triad

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



58.0676, 0.2466, 0.3451



58.0676, 0.2851, 0.2554



58.0676, 0.4073, 0.3858

Complementary

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



58.0676, 0.2466, 0.3451



24.0661, 0.4724, 0.3160

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.



58.0676, 0.4088, 0.3482



58.0676, 0.2466, 0.3451



58.0676, 0.3348, 0.2764

Square

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



58.0676, 0.2466, 0.3451



58.0676, 0.2461, 0.2504



58.0676, 0.3815, 0.3093



58.0676, 0.3793, 0.4129

Rectangle

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



58.0676, 0.2466, 0.3451



58.0676, 0.2229, 0.2733



58.0676, 0.3815, 0.3093



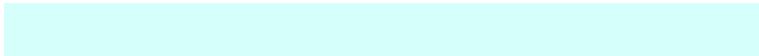
58.0676, 0.4111, 0.3739

Sweetspot

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



58.0698, 0.2466, 0.3451



92.4242, 0.2891, 0.3331



55.0244, 0.3108, 0.5108



19.6160, 0.2865, 0.3337



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.



58.0698, 0.2466, 0.3451



79.3802, 0.2395, 0.3489



35.9472, 0.2252, 0.2557



14.8073, 0.2995, 0.3312



32.4760, 0.2329, 0.3583



2.1103, 0.2314, 0.3530

Inverse Universe

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



24.0661, 0.4724, 0.3160



27.6975, 0.5259, 0.3157



35.8942, 0.4483, 0.3883



13.0714, 0.3277, 0.3268



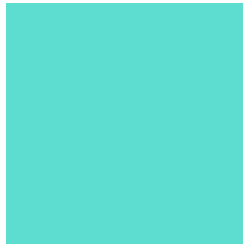
8.9684, 0.6287, 0.3237



0.5880, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 58.0676, 0.2466, 0.3451 looks on a white background.

Color Contrast Check

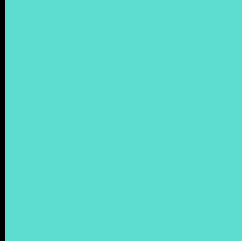
Large Text (above 18pt) WCAG AA × Fail

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 58.0676, 0.2466, 0.3451 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

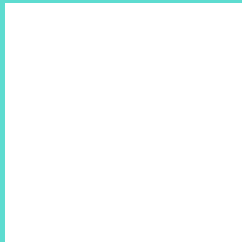
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0676, 0.2466, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 58.0676, 0.2466, 0.3451.

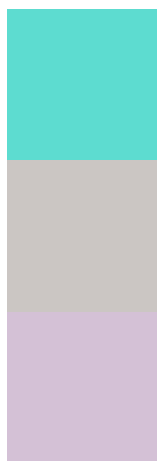


This preview shows how white text looks on a background with the Yxy color 58.0676, 0.2466, 0.3451.

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

58.0676, 0.2466, 0.3451

Protanopia

57.0248, 0.3189, 0.3326

Deuteranopia

56.9920, 0.3123, 0.3049



Tritanopia

57.9358, 0.2374, 0.3056

Trichromacy



Original Color

58.0676, 0.2466, 0.3451



Protanomaly

56.0993, 0.2856, 0.3366



Deuteranomaly

55.9004, 0.2819, 0.3177



Tritanomaly

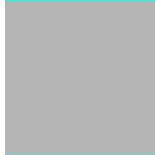
57.7146, 0.2401, 0.3183

Monochromacy



Original Color

58.0676, 0.2466, 0.3451



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.1814, 0.2809, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0676, 0.2466, 0.3451 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, 220, 208)` looks like.

```
.text, #text, p{  
    color:rgb(93, 220, 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, 220, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 220, 208) }
```

Border

The CSS property to change the border of an element to Yxy 58.0676, 0.2466, 0.3451 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, 220, 208) }
```

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

```
.border{ border-color:rgb(93, 220, 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, 220, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 220, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 220, 208);  
box-shadow:4px 4px 4px 4px rgb(93, 220,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0676, 0.2466, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 220, 208) }
```

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

```
.background{ background-color: rgb(93, 220,  
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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