

Converting Colors

$Y_{xy}(58.1256, 0.2520, 0.3328)$

Have a look what the booklet for
Yxy(58.1256, 0.2520, 0.3328)
contains.

Yxy(58.1256, 0.2520, 0.3328)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.1256, 0.2520, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	73D9D6
RGB	115, 217, 214
RGB Percent	45%, 85%, 84%
CMY	0.5493, 0.1490, 0.1608
CMYK	0.47, 0.00, 0.01, 0.15
HSL	178°, 57%, 65%
HSV	178°, 47%, 85%
XYZ	44.0134, 58.1256, 72.5173
YIQ	186.1600, -59.8290, -22.5570

Conversions

Conversions Part 2

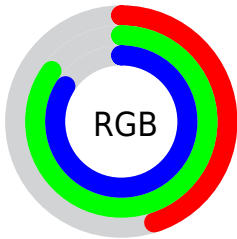
Format	Color
RYB	115, 167, 217
Decimal	7592406
CIELab	80.81, -30.45, -7.75
CIElCh	81, 31.420, 194.275
Yxy	58.1256, 0.2520, 0.3328
Android (android.graphics.Color)	4285782486 (0xFF73D9D6)
YUV	186.1600, 13.7251, -62.4073
Hunter-Lab	76.2401, -30.3724, -3.0267

Details

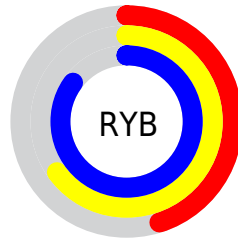
The Yxy color **58.1256, 0.2520, 0.3328** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3061, 0.4374, 0.3257**, and the grayscale version is **49.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **29.1281, 0.2375, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **56.7942, 0.2433, 0.3337**, and if you desaturate by 10%, it is **59.8078, 0.2624, 0.3319**.

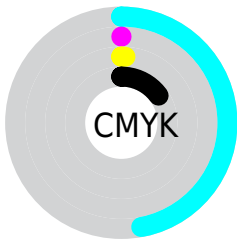
Distribution



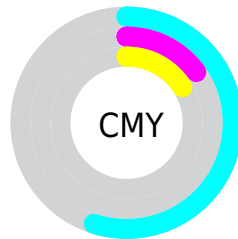
- Red (45%)
- Green (85%)
- Blue (84%)



- Red (45%)
- Yellow (65%)
- Blue (85%)



- Cyan (47%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)




- Cyan (55%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1256, 0.2520, 0.3328 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 58.1256, 0.2520, 0.3328 by changing the saturation by 10% instead.


 58.1256, 0.2520,
0.3328

 58.1256, 0.2520,
0.3328


417.6538, 0.2807,
0.3316


 41.9096, 0.2453,
0.3329

 102.1057, 0.2621,
0.3325

 29.0305, 0.2370,
0.3330

 130.6387, 0.2660,
0.3323

 19.1039, 0.2263,
0.3330


 164.0461, 0.2693,
0.3322

 11.7454, 0.2123,
0.3326

202.7124, 0.2722,
0.3320

 6.5706, 0.1930,
0.3316

247.0219, 0.2747,
0.3319

 3.1950, 0.1650,
0.3290

297.3590, 0.2770,

 1.2344, 0.1046,

0.3318

354.1082, 0.2789,
0.3317

0.3276

0.0895, 0.0000,
0.1229

0.0000, 0.0000,
0.0000

58.1256, 0.2520,
0.3328

58.1256, 0.2520,
0.3328

56.7942, 0.2433,
0.3337

59.8078, 0.2624,
0.3319

55.7822, 0.2366,
0.3347


61.8564, 0.2745,
0.3310


55.0638, 0.2317,
0.3357


64.2940, 0.2878,
0.3302


54.6065, 0.2288,
0.3366

67.1394, 0.3022,
0.3295


 54.3671, 0.2274,
0.3376

 70.4105, 0.3172,
0.3288

 54.3162, 0.2272,
0.3378

 74.1239, 0.3328,
0.3282

 75.9800, 0.3396,
0.3276

 76.0137, 0.3392,
0.3270

 76.0475, 0.3387,
0.3263

Harmonies

Analogous

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



58.1256, 0.2820, 0.3719



58.1256, 0.2520, 0.3328



58.1256, 0.2380, 0.2957

Triad

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



58.1256, 0.2520, 0.3328



58.1256, 0.2996, 0.2703



58.1256, 0.3873, 0.3835

Complementary

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



58.1256, 0.2520, 0.3328



28.3061, 0.4374, 0.3257

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.



58.1256, 0.3937, 0.3538



58.1256, 0.2520, 0.3328



58.1256, 0.3412, 0.2910

Square

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



58.1256, 0.2520, 0.3328



58.1256, 0.2640, 0.2628



58.1256, 0.3765, 0.3207



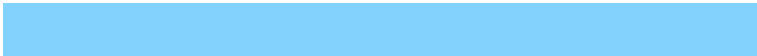
58.1256, 0.3603, 0.4010

Rectangle

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



58.1256, 0.2520, 0.3328



58.1256, 0.2388, 0.2776



58.1256, 0.3765, 0.3207



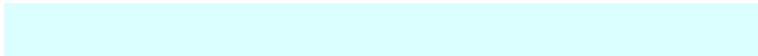
58.1256, 0.3920, 0.3745

Sweetspot

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



58.1279, 0.2520, 0.3328



93.7790, 0.2919, 0.3300



54.7438, 0.3079, 0.4758



19.8903, 0.2888, 0.3302



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.



58.1279, 0.2520, 0.3328



81.9294, 0.2437, 0.3337



37.1662, 0.2383, 0.2616



14.8226, 0.2986, 0.3297



32.8785, 0.2271, 0.3377



2.1322, 0.2267, 0.3361

Inverse Universe

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



28.3061, 0.4374, 0.3257



34.1632, 0.4784, 0.3254



42.0317, 0.4114, 0.3866



13.0577, 0.3287, 0.3284



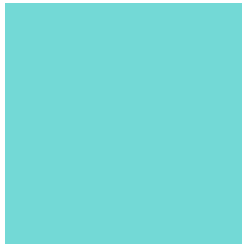
8.9411, 0.6367, 0.3281



0.5815, 0.6266, 0.3226

Previews

White Background



This preview shows how the Yxy color 58.1256, 0.2520, 0.3328 looks on a white background.

Color Contrast Check

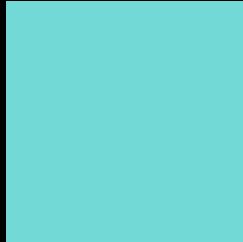
Large Text (above 18pt) WCAG AA × Fail

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 58.1256, 0.2520, 0.3328 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 58.1256, 0.2520, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 58.1256, 0.2520, 0.3328.

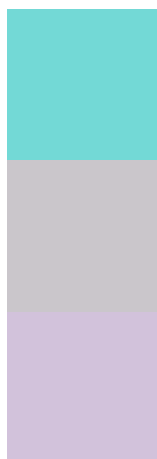


This preview shows how white text looks on a background with the Yxy color 58.1256, 0.2520, 0.3328.

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

58.1256, 0.2520, 0.3328

Protanopia

57.2565, 0.3122, 0.3231

Deuteranopia

57.3997, 0.3070, 0.3004



Tritanopia

57.9124, 0.2448, 0.3059

Trichromacy



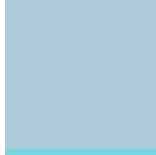
Original Color

58.1256, 0.2520, 0.3328



Protanomaly

56.7137, 0.2859, 0.3264



Deuteranomaly

56.3648, 0.2828, 0.3105



Tritanomaly

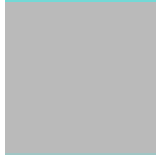
57.8887, 0.2475, 0.3159

Monochromacy



Original Color

58.1256, 0.2520, 0.3328



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.3916, 0.2855, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1256, 0.2520, 0.3328 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(115, 217, 214)` looks like.

```
.text, #text, p{  
    color:rgb(115, 217, 214)  
}
```

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(115, 217, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 217, 214) }
```

Border

The CSS property to change the border of an element to Yxy 58.1256, 0.2520, 0.3328 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(115, 217, 214) }
```

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

```
.border{ border-color:rgb(115, 217, 214) }
```

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

Here you see how a box with a 4 pixel rgb(115, 217, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 217, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 217, 214);  
box-shadow:4px 4px 4px 4px rgb(115, 217,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1256, 0.2520, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 217, 214) }
```

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

```
.background{ background-color: rgb(115,  
217, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor