

Converting Colors

Yxy(58.4584, 0.2618, 0.3152)

Have a look what the booklet for
Yxy(58.4584, 0.2618, 0.3152)
contains.

Yxy(58.4344, 0.2617, 0.3150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.4344, 0.2617, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	91D4DF
RGB	145, 212, 223
RGB Percent	57%, 83%, 87%
CMY	0.4311, 0.1687, 0.1255
CMYK	0.35, 0.05, 0.00, 0.13
HSL	188°, 55%, 72%
HSV	188°, 35%, 87%
XYZ	48.5469, 58.4344, 78.5247
YIQ	193.2210, -43.4630, -10.7830

Conversions

Conversions Part 2

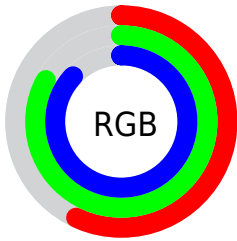
Format	Color
RYB	145, 181, 223
Decimal	9557215
CIELab	80.98, -18.34, -12.15
CIELCh	81, 21.996, 213.524
Yxy	58.4344, 0.2617, 0.3150
Android (android.graphics.Color)	4287747295 (0xFF91D4DF)
YUV	193.2210, 14.6810, -42.2898
Hunter-Lab	76.4424, -20.4127, -7.3954

Details

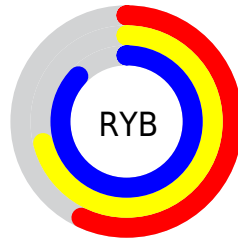
The Yxy color **58.4344, 0.2617, 0.3150** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.5313, 0.3911, 0.3424**, and the grayscale version is **53.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **29.1148, 0.2486, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **55.0467, 0.2493, 0.3104**, and if you desaturate by 10%, it is **62.2550, 0.2753, 0.3194**.

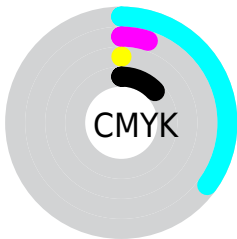
Distribution



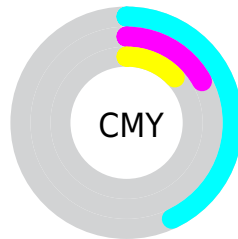
- Red (57%)
- Green (83%)
- Blue (87%)



- Red (57%)
- Yellow (71%)
- Blue (87%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



- Cyan (43%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4344, 0.2617, 0.3150 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 58.4344, 0.2617, 0.3150 by changing the saturation by 10% instead.


 58.4344, 0.2617,
0.3150


 58.4344, 0.2617,
0.3150


418.8027, 0.2858,
0.3222

 42.1580, 0.2561,
0.3132


 102.5552, 0.2702,
0.3176

 29.2250, 0.2491,
0.3108


 131.1683, 0.2734,
0.3186

 19.2511, 0.2402,
0.3076

164.6625, 0.2762,
0.3195

 11.8519, 0.2284,
0.3032

203.4221, 0.2786,
0.3202

 6.6429, 0.2121,
0.2967

247.8315, 0.2808,
0.3208

 3.2398, 0.1884,
0.2860

298.2752, 0.2826,

 1.2582, 0.1501,

0.3213

0.2669

355.1374, 0.2843,
0.3218

■ 0.1085, 0.0000,
0.1008

■ 0.0000, 0.0000,
0.0000

■ 58.4344, 0.2617,
0.3150

■ 58.4344, 0.2617,
0.3150

■ 55.0467, 0.2493,
0.3104

■ 62.2550, 0.2753,
0.3194

■ 52.0614, 0.2384,
0.3055

■ 66.5233, 0.2899,
0.3235

■ 49.4549, 0.2293,
0.3006

■ 71.2615, 0.3051,
0.3273

■ 47.1979, 0.2220,
0.2955

■ 76.4886, 0.3206,
0.3307

■ 45.2566, 0.2167,
0.2905

■ 81.9247, 0.3350,
0.3338

■ 43.5894, 0.2133,
0.2856

■ 83.6694, 0.3346,
0.3369

■ 42.8163, 0.2120,
0.2831

■ 85.4457, 0.3342,
0.3400

■ 87.2538, 0.3338,
0.3431

■ 89.0939, 0.3334,
0.3462

Harmonies

Analogous

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



58.4344, 0.2765, 0.3420



58.4344, 0.2617, 0.3150



58.4344, 0.2599, 0.2936

Triad

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



58.4344, 0.2617, 0.3150



58.4344, 0.3225, 0.2956



58.4344, 0.3545, 0.3766

Complementary

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



58.4344, 0.2617, 0.3150



41.5313, 0.3911, 0.3424

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.



58.4344, 0.3683, 0.3614



58.4344, 0.2617, 0.3150



58.4344, 0.3495, 0.3154

Square

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



58.4344, 0.2617, 0.3150



58.4344, 0.2940, 0.2838



58.4344, 0.3665, 0.3390



58.4344, 0.3297, 0.3790

Rectangle

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



58.4344, 0.2617, 0.3150



58.4344, 0.2662, 0.2851



58.4344, 0.3665, 0.3390



58.4344, 0.3606, 0.3728

Sweetspot

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



58.4367, 0.2617, 0.3150



93.2057, 0.2972, 0.3254



61.1781, 0.3018, 0.4193



19.7569, 0.2951, 0.3248



0.0000, 0.0000, 0.0000



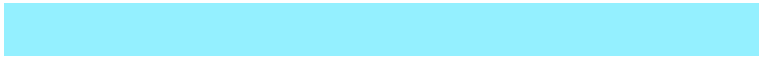
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4367, 0.2617, 0.3150



75.7592, 0.2524, 0.3116



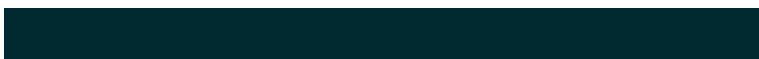
41.4858, 0.2548, 0.2638



15.2252, 0.2982, 0.3256



25.3040, 0.2122, 0.2838



1.8457, 0.2143, 0.2915

Inverse Universe

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



40.7108, 0.3267, 0.2536



48.6929, 0.3303, 0.2382



56.5030, 0.3756, 0.3863



13.9006, 0.3159, 0.3091



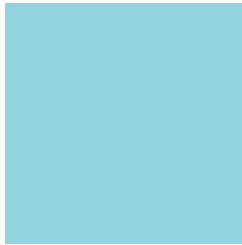
11.4625, 0.3600, 0.1757



0.8038, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 58.4344, 0.2617, 0.3150 looks on a white background.

Color Contrast Check

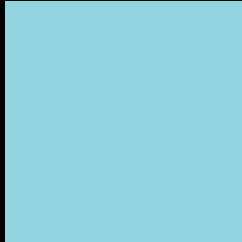
Large Text (above 18pt) WCAG AA × Fail

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 58.4344, 0.2617, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

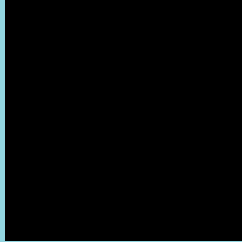
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4344, 0.2617, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 58.4344, 0.2617, 0.3150.



This preview shows how white text looks on a background with the Yxy color 58.4344, 0.2617, 0.3150.

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

58.4344, 0.2617, 0.3150

Protanopia

58.0325, 0.3021, 0.3102

Deuteranopia

57.8417, 0.2990, 0.2926



Tritanopia

58.3010, 0.2594, 0.3076

Trichromacy



Original Color

58.4344, 0.2617, 0.3150

Protanomaly

57.9510, 0.2857, 0.3120

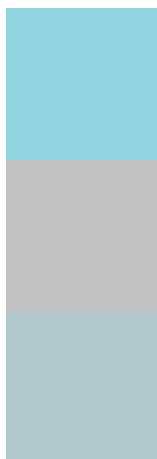
Deuteranomaly

57.4546, 0.2832, 0.2992

Tritanomaly

58.1905, 0.2604, 0.3101

Monochromacy



Original Color

58.4344, 0.2617, 0.3150

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.8983, 0.2918, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4344, 0.2617, 0.3150 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(145, 212, 223)` looks like.

```
.text, #text, p{  
    color:rgb(145, 212, 223)  
}
```

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(145, 212, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 212, 223) }
```

Border

The CSS property to change the border of an element to Yxy 58.4344, 0.2617, 0.3150 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(145, 212, 223) }
```

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

```
.border{ border-color:rgb(145, 212, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 212, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 212, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 212, 223);  
box-shadow:4px 4px 4px 4px rgb(145, 212,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4344, 0.2617, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 212, 223) }
```

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

```
.background{ background-color: rgb(145,  
212, 223) }
```

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