

Converting Colors

XYZ(43.7887, 59.0918, 58.3882)

Have a look what the booklet for
XYZ(43.7887, 59.0918, 58.3882)
contains.

XYZ(43.7887, 59.0918, 58.3882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.7887, 59.0918,
58.3882)**

Conversions

Conversions Part 1

Format	Color
Hex	81DBBF
RGB	129, 219, 191
RGB Percent	51%, 86%, 75%
CMY	0.4941, 0.1412, 0.2510
CMYK	0.41, 0.00, 0.13, 0.14
HSL	161°, 56%, 68%
HSV	161°, 41%, 86%
XYZ	43.7887, 59.0918, 58.3882
YIQ	188.8980, -44.6520, -27.7880

Conversions

Conversions Part 2

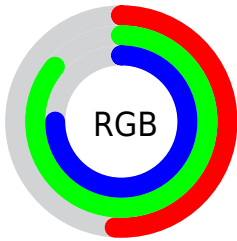
Format	Color
RYB	129, 182, 219
Decimal	8510399
CIELab	81.34, -33.41, 5.34
CIELCh	81, 33.833, 170.912
Yxy	59.0918, 0.2715, 0.3664
Android (android.graphics.Color)	4286700479 (0xFF81DBBF)
YUV	188.8980, 1.0363, -52.5305
Hunter-Lab	76.8712, -32.8443, 8.7756

Details

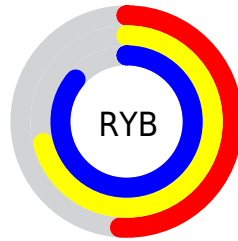
The XYZ color **43.7887, 59.0918, 58.3882** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.1514, 33.1963, 36.0335**, and the grayscale version is **48.3253, 50.8420, 55.3669**.

A 20% lighter version of the original color is **72.5561, 88.5497, 101.2634**, and **20.6106, 29.8024, 28.7109** is the 20% darker color. If you saturate the color by 10%, you get **40.0797, 57.2659, 54.3917**, and if you desaturate by 10%, it is **48.2488, 61.3039, 62.6045**.

Distribution



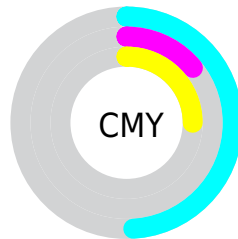
- Red (51%)
- Green (86%)
- Blue (75%)



- Red (51%)
- Yellow (71%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7887, 59.0918, 58.3882 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 XYZ color 43.7887, 59.0918, 58.3882 by changing the saturation by 10% instead.


 43.7887, 59.0918,
58.3882


 43.7887, 59.0918,
58.3882


352.7121,
421.2420, 436.2695


 30.7016, 42.6870,
41.7041


 80.1480, 103.5111,
104.0083

 20.5225, 29.6396,
28.5458


 104.1510,
132.2944, 133.7814

 12.8859, 19.5652,
18.4949

 132.5232,
165.9726, 168.7544

 7.4264, 12.0794,
11.1328

165.6302,
204.9302, 209.3461

 3.7789, 6.7978,
6.0409

203.8372,
249.5516, 255.9749

 1.5778, 3.3360,
2.8008

247.5096,

 0.3779, 1.3095,

300.2210, 309.0594

0.9938

297.0128,
357.3231, 369.0181

■ 0.0000, 0.1486,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7887, 59.0918,
58.3882

■ 43.7887, 59.0918,
58.3882

■ 40.0797, 57.2659,
54.3917

■ 48.2488, 61.3039,
62.6045

■ 37.0704, 55.7952,
50.6064


■ 53.4974, 63.9169,
67.0410


■ 34.7106, 54.6554,
47.0287


■ 59.5753, 66.9533,
71.7032


■ 32.9410, 53.8161,
43.6533


■ 66.5188, 70.4317,
76.5951


 31.6911, 53.2408,
40.4742


 74.3624, 74.3699,
81.7206

 30.9076, 52.8952,
37.8016

 81.1218, 77.7449,
86.9891

 82.1082, 78.1394,
92.1833

 83.1325, 78.5492,
97.5773

 84.1952, 78.9742,
103.1732

Harmonies

Analogous

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



46.2656, 59.0918, 42.7929



43.7887, 59.0918, 58.3882



44.4052, 59.0918, 79.2528

Triad

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



43.7887, 59.0918, 58.3882



61.1554, 59.0918, 107.9638



65.1746, 59.0918, 38.6181

Complementary

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



43.7887, 59.0918, 58.3882



43.1514, 33.1963, 36.0335

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.



69.8368, 59.0918, 51.4277



43.7887, 59.0918, 58.3882



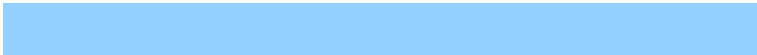
67.3845, 59.0918, 92.1259

Square

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



43.7887, 59.0918, 58.3882



54.0461, 59.0918, 110.9198



70.6778, 59.0918, 70.6851



58.3386, 59.0918, 33.0589

Rectangle

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



43.7887, 59.0918, 58.3882



46.5102, 59.0918, 93.3361



70.6778, 59.0918, 70.6851



67.0712, 59.0918, 42.0743

Sweetspot

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



43.7904, 59.0942, 58.3896



83.1793, 94.0532, 100.5405



43.2981, 59.4690, 29.9662



17.5506, 20.0046, 21.3312



0.0000, 0.0000, 0.0000



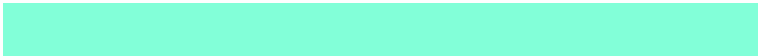
20.3446, 21.4041, 23.3091

Same Dimension

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



43.7904, 59.0942, 58.3896



57.3843, 81.2341, 77.7052



43.0793, 52.2599, 74.8374



13.2634, 14.7570, 15.8501



18.3773, 31.3835, 22.6838



1.2287, 2.0484, 1.6701

Inverse Universe

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



43.1514, 33.1963, 36.0335



56.3838, 40.1004, 42.2680



43.3796, 37.0505, 25.6347



13.2221, 13.1179, 14.4306



17.9869, 9.1958, 4.3108



1.2034, 0.6110, 0.4800

Previews

White Background



This preview shows how the XYZ color 43.7887, 59.0918, 58.3882 looks on a white background.

Color Contrast Check

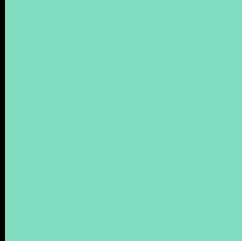
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 43.7887, 59.0918, 58.3882 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

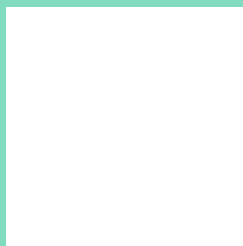
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7887, 59.0918, 58.3882

Background



This preview shows how black text looks on a background with the XYZ color 43.7887, 59.0918, 58.3882.

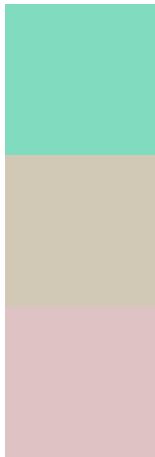


This preview shows how white text looks on a background with the XYZ color 43.7887, 59.0918,

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

43.7887, 59.0918, 58.3882

Protanopia

55.2893, 58.2001, 52.0357

Deuteranopia

59.3798, 58.0987, 60.3091



Tritanopia

48.8655, 58.8470, 84.3844

Trichromacy



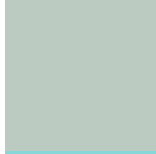
Original Color

43.7887, 59.0918, 58.3882



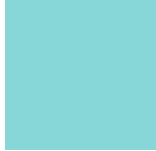
Protanomaly

49.8922, 57.8317, 54.4320



Deuteranomaly

51.8326, 57.2983, 59.3667



Tritanomaly

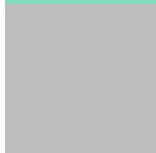
46.6868, 58.7096, 73.8372

Monochromacy



Original Color

43.7887, 59.0918, 58.3882



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.8849, 53.2417, 56.5735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7887, 59.0918, 58.3882 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(129, 219, 191)` looks like.

```
.text, #text, p{  
    color:rgb(129, 219, 191)  
}
```

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(129, 219, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 219, 191) }
```

Border

The CSS property to change the border of an element to XYZ 43.7887, 59.0918, 58.3882 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(129, 219, 191) }
```


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

```
.border{ border-color:rgb(129, 219, 191) }
```

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

Here you see how a box with a 4 pixel rgb(129, 219, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 219, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 219, 191);  
box-shadow:4px 4px 4px 4px rgb(129, 219,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7887, 59.0918, 58.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 219, 191) }
```

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

```
.background{ background-color: rgb(129,  
219, 191) }
```

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