

Converting Colors

XYZ(52.1871, 58.9845, 88.7554)

Have a look what the booklet for
XYZ(52.1871, 58.9845, 88.7554)
contains.

XYZ(52.1871, 58.9845, 88.7554)	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(52.1871, 58.9845,
88.7554)**

Conversions

Conversions Part 1

Format	Color
Hex	9ED1ED
RGB	158, 209, 237
RGB Percent	62%, 82%, 93%
CMY	0.3804, 0.1804, 0.0706
CMYK	0.33, 0.12, 0.00, 0.07
HSL	201°, 69%, 77%
HSV	201°, 33%, 93%
XYZ	52.1871, 58.9845, 88.7554
YIQ	196.9430, -39.3840, -2.1040

Conversions

Conversions Part 2

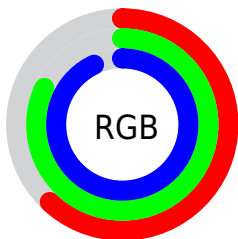
Format	Color
RYB	158, 189, 237
Decimal	10408429
CIELab	81.28, -9.89, -19.10
CIELCh	81, 21.509, 242.611
Yxy	58.9845, 0.2610, 0.2950
Android (android.graphics.Color)	4288598509 (0xFF9ED1ED)
YUV	196.9430, 19.7481, -34.1530
Hunter-Lab	76.8014, -13.1103, -14.7575

Details

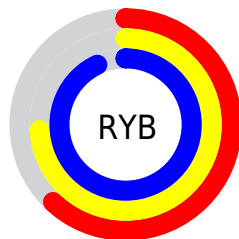
The XYZ color **52.1871, 58.9845, 88.7554** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.6565, 55.5917, 39.9881**, and the grayscale version is **52.9397, 55.6967, 60.6537**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **25.7708, 29.7219, 48.0947** is the 20% darker color. If you saturate the color by 10%, you get **45.9607, 52.7969, 87.8903**, and if you desaturate by 10%, it is **59.4247, 65.8575, 89.7016**.

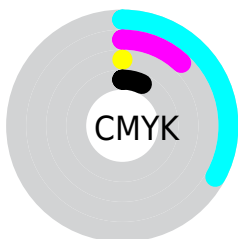
Distribution



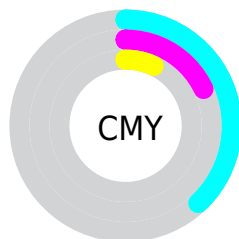
- Red (62%)
- Green (82%)
- Blue (93%)



- Red (62%)
- Yellow (74%)
- Blue (93%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1871, 58.9845, 88.7554 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 52.1871, 58.9845, 88.7554 by changing the saturation by 10% instead.

■ 52.1871, 58.9845,
88.7554

■ 52.1871, 58.9845,
88.7554

385.4706,
420.8445, 544.4391

■ 37.3791, 42.6006,
66.3810

■ 92.5797, 103.3551,
147.5287

■ 25.6762, 29.5719,
48.1233

■ 118.8950,
132.1107, 184.7647

■ 16.7129, 19.5139,
33.5638

149.7768,
165.7590, 227.7917

■ 10.1241, 12.0422,
22.2841

185.5905,
204.6843, 277.0280

■ 5.5442, 6.7724,
13.8655

226.7013,
249.2711, 332.8925

■ 2.6080, 3.3202,
7.8895

273.4747,

■ 0.9500, 1.3011,

299.9039, 395.8034

3.9376

326.2760,
356.9668, 466.1795

■ 0.0000, 0.1420,
1.5912

■ 0.0000, 0.0000,
0.2845

■ 52.1871, 58.9845,
88.7554

■ 52.1871, 58.9845,
88.7554

■ 45.9607, 52.7969,
87.8903

■ 59.4247, 65.8575,
89.7016

■ 40.6867, 47.2577,
87.0990

■ 67.7174, 73.4367,
90.7274

■ 36.3078, 42.3363,
86.3799

■ 77.1130, 81.7506,
91.8370

■ 32.7582, 37.9962,
85.7293

■ 87.6546, 90.8236,
93.0326

■ 29.9620, 34.1955,
85.1430

■ 91.0239, 96.3698,
93.9256

■ 27.8272, 30.8842,
84.6164

■ 92.2863, 98.8945,
94.3464

■ 26.6785, 28.8991,
84.2938

Harmonies

Analogous

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



49.1052, 58.9845, 78.4817



52.1871, 58.9845, 88.7554



56.4570, 58.9845, 92.2036

Triad

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



52.1871, 58.9845, 88.7554



65.1306, 58.9845, 63.1050



51.5408, 58.9845, 45.5786

Complementary

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



52.1871, 58.9845, 88.7554



58.6565, 55.5917, 39.9881

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.



55.6709, 58.9845, 42.5686



52.1871, 58.9845, 88.7554



63.6488, 58.9845, 51.8071

Square

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



52.1871, 58.9845, 88.7554



64.0775, 58.9845, 76.2742



60.1262, 58.9845, 44.6888



48.7463, 58.9845, 53.5151

Rectangle

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



52.1871, 58.9845, 88.7554



59.4459, 58.9845, 89.8398



60.1262, 58.9845, 44.6888



52.8110, 58.9845, 44.0088

Sweetspot

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



52.1889, 58.9868, 88.7568



83.4673, 89.8492, 107.5512



53.2119, 71.3690, 57.2321



17.5401, 18.9414, 22.9815



0.0000, 0.0000, 0.0000



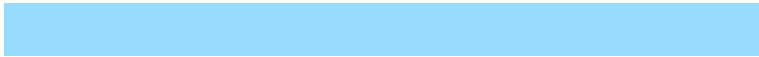
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1889, 58.9868, 88.7568



56.4794, 64.5773, 104.0956



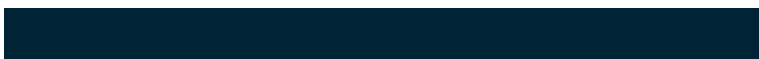
43.7347, 42.0784, 85.9387



15.0425, 16.1715, 19.2508



14.6935, 16.0339, 46.0634



1.2438, 1.4391, 3.6471

Inverse Universe

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



58.6621, 47.0633, 66.3165



65.3977, 49.1491, 72.9545



68.0636, 74.4060, 43.1238



15.4750, 15.2179, 17.7867



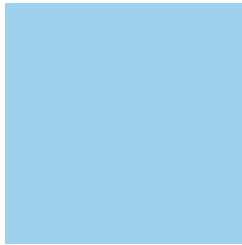
22.2719, 11.1114, 17.7649



1.7943, 0.8907, 1.6343

Previews

White Background



This preview shows how the XYZ color 52.1871, 58.9845, 88.7554 looks on a white background.

Color Contrast Check

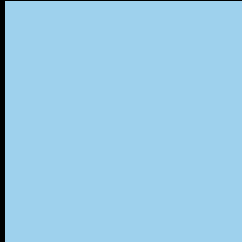
Large Text (above 18pt) WCAG AA × Fail

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 52.1871, 58.9845, 88.7554 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 52.1871, 58.9845, 88.7554

Background



This preview shows how black text looks on a background with the XYZ color 52.1871, 58.9845, 88.7554.



This preview shows how white text looks on a background with the XYZ color 52.1871, 58.9845,

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

52.1871, 58.9845, 88.7554

Protanopia

57.8430, 58.8138, 83.9049

Deuteranopia

60.0515, 58.7803, 90.6188



Tritanopia

50.8697, 59.2025, 81.4192

Trichromacy



Original Color

52.1871, 58.9845, 88.7554

Protanomaly

55.3553, 58.5401, 85.4726

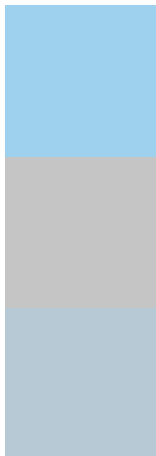
Deuteranomaly

56.7163, 58.4444, 89.9530

Tritanomaly

51.3750, 59.0308, 84.2876

Monochromacy



Original Color

52.1871, 58.9845, 88.7554

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.2987, 56.5940, 70.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1871, 58.9845, 88.7554 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(158, 209, 237)` looks like.

```
.text, #text, p{  
    color:rgb(158, 209, 237)  
}
```

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(158, 209, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 209, 237) }
```

Border

The CSS property to change the border of an element to XYZ 52.1871, 58.9845, 88.7554 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(158, 209, 237) }
```


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

```
.border{ border-color:rgb(158, 209, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 209, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 209, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 209, 237);  
box-shadow:4px 4px 4px 4px rgb(158, 209,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1871, 58.9845, 88.7554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 209, 237) }
```

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

```
.background{ background-color: rgb(158,  
209, 237) }
```

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