

Converting Colors

XYZ(58.9601, 73.3390, 89.9403)

Have a look what the booklet for
XYZ(58.9601, 73.3390, 89.9403)
contains.

XYZ(58.8955, 73.1572, 89.6139)	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(58.8955, 73.1572,
89.6139)**

Conversions

Conversions Part 1

Format	Color
Hex	9DECEB
RGB	157, 236, 235
RGB Percent	62%, 93%, 92%
CMY	0.3843, 0.0745, 0.0784
CMYK	0.33, 0.00, 0.00, 0.07
HSL	179°, 68%, 77%
HSV	179°, 33%, 93%
XYZ	58.8955, 73.1572, 89.6139
YIQ	212.2650, -46.7630, -17.0590

Conversions

Conversions Part 2

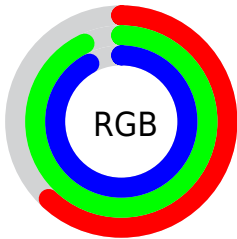
Format	Color
RYB	157, 197, 236
Decimal	10349803
CIELab	88.52, -24.26, -7.22
CIELCh	89, 25.310, 196.567
Yxy	73.1572, 0.2657, 0.3300
Android (android.graphics.Color)	4288539883 (0xFF9DECEB)
YUV	212.2650, 11.2084, -48.4674
Hunter-Lab	85.5320, -26.7697, -2.2472

Details

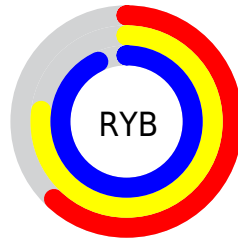
The XYZ color **58.8955, 73.1572, 89.6139** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.8232, 44.4176, 38.1399**, and the grayscale version is **62.7074, 65.9730, 71.8446**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **29.9374, 38.7220, 48.5440** is the 20% darker color. If you saturate the color by 10%, you get **54.6857, 70.9938, 89.1927**, and if you desaturate by 10%, it is **63.9990, 75.7849, 90.0805**.

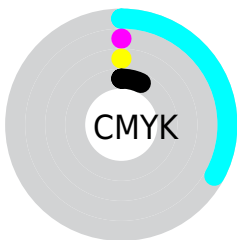
Distribution



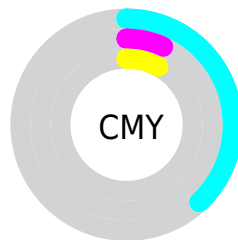
- Red (62%)
- Green (93%)
- Blue (92%)



- Red (62%)
- Yellow (77%)
- Blue (93%)



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





- Cyan (38%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8955, 73.1572, 89.6139 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 58.8955, 73.1572, 89.6139 by changing the saturation by 10% instead.


 58.8955, 73.1572,
89.6139


 58.8955, 73.1572,
89.6139


410.4148,
471.5595, 547.3117

 42.7750, 54.1045,
67.0885


 102.3413,
123.7004, 148.7328

 29.9024, 38.6852,
48.6945


 130.3973,
155.9596, 186.1634

 19.9122, 26.5149,
34.0133


163.1625,
193.3898, 229.3996

 12.4392, 17.2093,
22.6264

201.0024,
236.3754, 278.8597

 7.1178, 10.3838,
14.1152

244.2822,
285.3008, 334.9625

 3.5829, 5.6542,
8.0612

293.3673,

 1.4690, 2.6360,

340.5503, 398.1264

4.0458

348.6231,
402.5084, 468.7700

■ 0.3046, 0.9448,
1.6505

■ 0.0000, 0.0000,
0.3265

■ 58.8955, 73.1572,
89.6139

■ 58.8955, 73.1572,
89.6139

■ 54.6857, 70.9938,
89.1927

■ 63.9990, 75.7849,
90.0805

■ 51.3118, 69.2594,
88.8095


■ 70.0370, 78.8926,
90.5895


■ 48.7192, 67.9279,
88.4631

■ 77.0556, 82.5058,
91.1449


■ 46.8443, 66.9663,
88.1508


■ 85.0959, 86.6457,
91.7484


 45.6135, 66.3368,
87.8690


 86.4497, 87.3386,
92.0395


 44.9375, 65.9932,
87.6135

 86.4934, 87.3561,
92.2695

 44.7060, 65.8771,
87.4568

 86.5372, 87.3736,
92.5000

 86.5810, 87.3911,
92.7308

 86.6249, 87.4087,
92.9621

Harmonies

Analogous

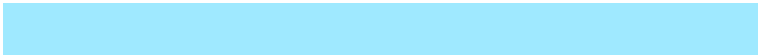
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.7471, 73.1572, 72.1110



58.8955, 73.1572, 89.6139



61.7843, 73.1572, 106.5976

Triad

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



58.8955, 73.1572, 89.6139



78.3955, 73.1572, 105.0288



72.2917, 73.1572, 51.2686

Complementary

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



58.8955, 73.1572, 89.6139



52.8232, 44.4176, 38.1399

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.



77.9055, 73.1572, 57.6851



58.8955, 73.1572, 89.6139



81.5660, 73.1572, 87.7092

Square

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



58.8955, 73.1572, 89.6139



72.9290, 73.1572, 116.3484



81.3815, 73.1572, 70.4641



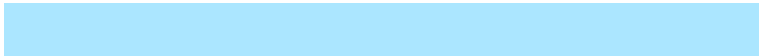
66.2455, 73.1572, 51.6236

Rectangle

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



58.8955, 73.1572, 89.6139



64.9769, 73.1572, 114.5878



81.3815, 73.1572, 70.4641



74.2988, 73.1572, 52.6599

Sweetspot

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



58.8976, 73.1601, 89.6156



86.2308, 95.4596, 108.2155



50.2464, 69.7295, 42.7107



18.2124, 20.3064, 23.1430



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.



58.8976, 73.1601, 89.6156



66.7391, 85.4292, 106.4907



49.1994, 53.5310, 87.0996



15.5090, 17.1184, 19.3630



24.6457, 36.3127, 48.2266



1.9379, 2.8525, 3.8010

Inverse Universe

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



52.8232, 44.4176, 38.1399



58.4885, 46.3854, 36.5713



60.2367, 59.3822, 40.1870



15.0732, 15.0572, 15.6710



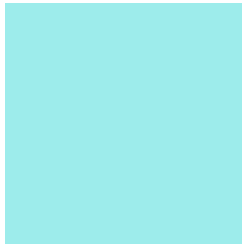
19.0804, 9.8348, 0.9587



1.5010, 0.7734, 0.0897

Previews

White Background



This preview shows how the XYZ color 58.8955, 73.1572, 89.6139 looks on a white background.

Color Contrast Check

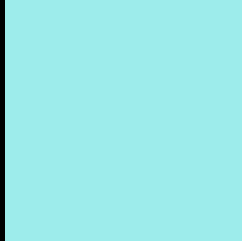
Large Text (above 18pt) WCAG AA × Fail

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 58.8955, 73.1572, 89.6139 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 58.8955, 73.1572, 89.6139

Background



This preview shows how black text looks on a background with the XYZ color 58.8955, 73.1572, 89.6139.

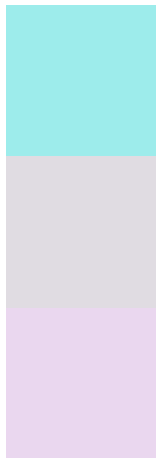


This preview shows how white text looks on a background with the XYZ color 58.8955, 73.1572,

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

58.8955, 73.1572, 89.6139

Protanopia

70.0611, 72.5247, 82.2576

Deuteranopia

73.8121, 72.3253, 91.7312



Tritanopia

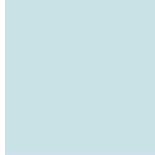
61.4075, 72.8832, 102.9268

Trichromacy



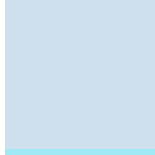
Original Color

58.8955, 73.1572, 89.6139



Protanomaly

65.1586, 72.3292, 84.6554



Deuteranomaly

67.2739, 72.0702, 91.2541



Tritanomaly

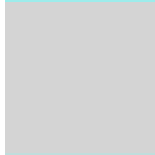
60.5546, 72.9730, 98.0824

Monochromacy



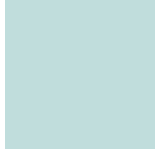
Original Color

58.8955, 73.1572, 89.6139



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.5129, 68.0867, 77.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8955, 73.1572, 89.6139 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(157, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(157, 236, 235)  
}
```

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(157, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 58.8955, 73.1572, 89.6139 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(157, 236, 235) }
```


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

```
.border{ border-color:rgb(157, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 236, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 236, 235); box-shadow:4px 4px 4px 4px rgb(157, 236, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8955, 73.1572, 89.6139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 236, 235) }
```

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

```
.background{ background-color: rgb(157,  
236, 235) }
```

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