

# Converting Colors

XYZ(55.5291, 69.7311, 89.1300)

Have a look what the booklet for  
XYZ(55.5291, 69.7311, 89.1300)  
contains.

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# Color

**XYZ(55.5291, 69.7311,  
89.1300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91E8EB
RGB	145, 232, 235
RGB Percent	57%, 91%, 92%
CMY	0.4314, 0.0902, 0.0784
CMYK	0.38, 0.01, 0.00, 0.08
HSL	182°, 69%, 75%
HSV	182°, 38%, 92%
XYZ	55.5291, 69.7311, 89.1300
YIQ	206.3290, -52.8150, -17.5110

# Conversions

## Conversions Part 2

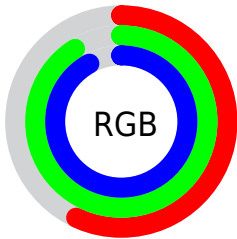
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 189, 235
Decimal	9562347
CIELab	86.86, -25.39, -9.74
CIELCh	87, 27.197, 200.979
Yxy	69.7311, 0.2590, 0.3253
Android (android.graphics.Color)	4287752427 (0xFF91E8EB)
YUV	206.3290, 14.1348, -53.7855
Hunter-Lab	83.5051, -27.4354, -4.8301

# Details

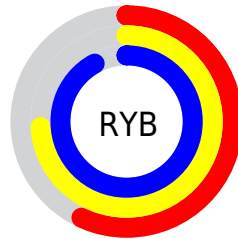
The XYZ color **55.5291, 69.7311, 89.1300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.9628, 40.8873, 32.0485**, and the grayscale version is **58.8152, 61.8782, 67.3853**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **27.6865, 36.3800, 48.2106** is the 20% darker color. If you saturate the color by 10%, you get **51.5895, 67.3755, 88.8842**, and if you desaturate by 10%, it is **60.3303, 72.5357, 89.4195**.

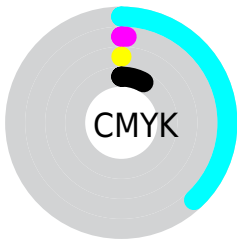
# Distribution



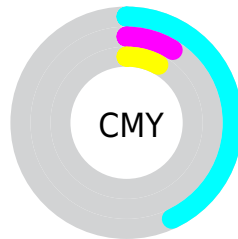
- Red (57%)
- Green (91%)
- Blue (92%)



- Red (57%)
- Yellow (74%)
- Blue (92%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)




- Cyan (43%)
- Magenta (9%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5291, 69.7311, 89.1300 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 55.5291, 69.7311, 89.1300 by changing the saturation by 10% instead.




 55.5291, 69.7311,  
89.1300


 55.5291, 69.7311,  
89.1300


398.0183,  
459.6053, 545.6936

 40.0610, 51.3073,  
66.6897


 97.4595, 118.8252,  
148.0543

 27.7705, 36.4533,  
48.3724


 124.6526,  
150.2643, 185.3753

 18.2923, 24.7845,  
33.7598

156.4847,  
186.8107, 228.4936

 11.2610, 15.9165,  
22.4333

193.3212,  
228.8488, 277.8278

 6.3113, 9.4651,  
13.9743

235.5275,  
276.7629, 333.7963

 3.0777, 5.0458,  
7.9642

283.4689,

 1.1950, 2.2742,

330.9374, 396.8177

3.9846

337.5107,  
391.7567, 467.3107

■ 0.1024, 0.7600,  
1.6169

■ 0.0000, 0.0000,  
0.3028

■ 55.5291, 69.7311,  
89.1300

■ 55.5291, 69.7311,  
89.1300

■ 51.5895, 67.3755,  
88.8842

■ 60.3303, 72.5357,  
89.4195

■ 48.4521, 65.4331,  
88.6746

■ 66.0354, 75.8061,  
89.7500

■ 46.0597, 63.8764,  
88.5002

■ 72.6916, 79.5682,  
90.1254

■ 44.3452, 62.6705,  
88.3578

■ 80.3409, 83.8438,  
90.5475

■ 43.2293, 61.7747,  
88.2437

■ 86.2074, 87.2017,  
90.8864

■ 42.5990, 61.1307,  
88.1526

■ 86.4331, 87.6533,  
90.9617

■ 42.5124, 61.0318,  
88.1381

■ 86.6599, 88.1068,  
91.0373

■ 86.8876, 88.5622,  
91.1132

■ 87.1163, 89.0197,  
91.1894

# Harmonies

## Analogous

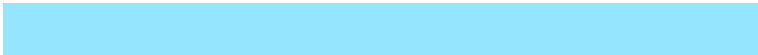
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9467, 69.7311, 70.5789



55.5291, 69.7311, 89.1300



58.8910, 69.7311, 106.4242

# Triad

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



55.5291, 69.7311, 89.1300



76.2116, 69.7311, 100.1092



68.2082, 69.7311, 46.3887

# Complementary

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



55.5291, 69.7311, 89.1300



49.9628, 40.8873, 32.0485

# 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.



74.2567, 69.7311, 51.8928



55.5291, 69.7311, 89.1300



79.0674, 69.7311, 81.5352

# Square

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



55.5291, 69.7311, 89.1300



70.7405, 69.7311, 113.4325



78.3300, 69.7311, 64.0938



62.0059, 69.7311, 47.7580

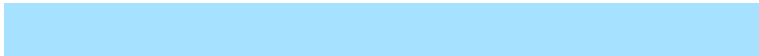


# Rectangle

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



55.5291, 69.7311, 89.1300



62.3812, 69.7311, 113.9667



78.3300, 69.7311, 64.0938



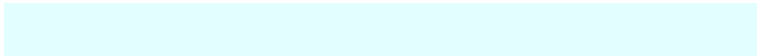
70.3324, 69.7311, 47.4590

# Sweetspot

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



55.5312, 69.7338, 89.1316



85.1755, 94.4681, 108.3527



46.6142, 67.5287, 37.9778



17.9922, 20.0853, 23.1785



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.



55.5312, 69.7338, 89.1316



63.0079, 81.6502, 107.0469



44.7643, 48.2001, 85.5427



15.4722, 17.0308, 19.3940



23.6794, 34.0058, 49.0587



1.8729, 2.6973, 3.8568



# Inverse Universe

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



58.9536, 43.7410, 81.6825



67.7128, 46.3219, 96.7158



58.1133, 57.1882, 34.7654



15.6919, 15.3046, 18.9287



26.8076, 12.9257, 41.6496

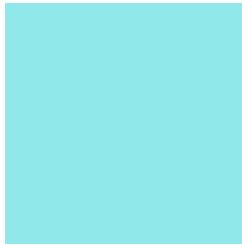


2.1119, 1.0177, 3.3064



# Previews

## White Background



This preview shows how the XYZ color 55.5291, 69.7311, 89.1300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

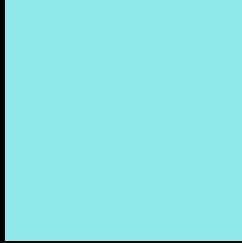
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5291, 69.7311, 89.1300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

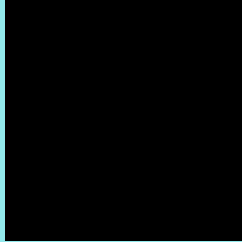
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.5291, 69.7311, 89.1300

## Background



This preview shows how black text looks on a background with the XYZ color 55.5291, 69.7311, 89.1300.



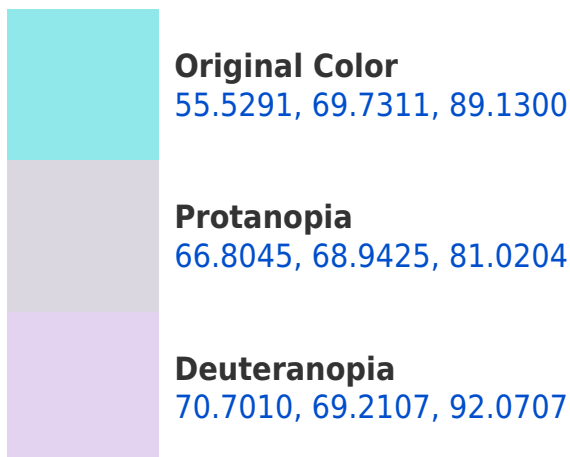
This preview shows how white text looks on a background with the XYZ color 55.5291, 69.7311,

89.1300.

# 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





## Tritanopia

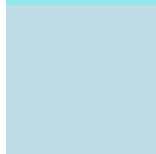
57.6345, 69.7605, 99.2344

# Trichromacy



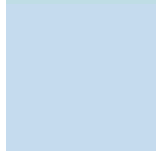
## Original Color

55.5291, 69.7311, 89.1300



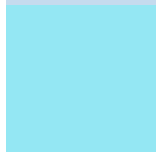
## Protanomaly

61.4852, 68.4464, 84.0996



## Deuteranomaly

63.7901, 68.7064, 90.7885



## Tritanomaly

56.9663, 69.9188, 95.2873

# Monochromacy



## Original Color

55.5291, 69.7311, 89.1300



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

56.5920, 63.8010, 74.9777

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5291, 69.7311, 89.1300 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, 232, 235)` looks like.

```
.text, #text, p{  
    color:rgb(145, 232, 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(145, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 232, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5291, 69.7311, 89.1300 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, 232, 235) }
```



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

```
.border{ border-color:rgb(145, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(145, 232,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5291, 69.7311, 89.1300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 232, 235) }
```

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

```
.background{ background-color: rgb(145,  
232, 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](#).

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