

Converting Colors

XYZ(55.3288, 76.9723, 88.9581)

Have a look what the booklet for
XYZ(55.3288, 76.9723, 88.9581)
contains.

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Color

**XYZ(55.3937, 77.1453,
89.0618)**

Conversions

Conversions Part 1

Format	Color
Hex	71F9E9
RGB	113, 249, 233
RGB Percent	44%, 98%, 91%
CMY	0.5568, 0.0235, 0.0863
CMYK	0.55, 0.00, 0.06, 0.02
HSL	173°, 92%, 71%
HSV	173°, 55%, 98%
XYZ	55.3937, 77.1453, 89.0618
YIQ	206.5120, -75.9200, -33.8080

Conversions

Conversions Part 2

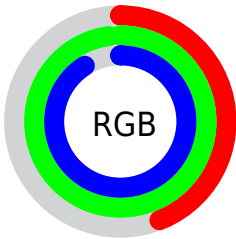
Format	Color
RYB	113, 185, 249
Decimal	7469545
CIELab	90.39, -40.92, -3.61
CIElCh	90, 41.082, 185.047
Yxy	77.1453, 0.2500, 0.3481
Android (android.graphics.Color)	4285659625 (0xFF71F9E9)
YUV	206.5120, 13.0586, -82.0100
Hunter-Lab	87.8324, -41.1312, 1.3628

Details

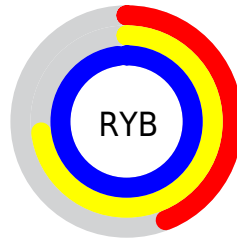
The XYZ color **55.3937, 77.1453, 89.0618** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.9371, 33.5371, 24.6656**, and the grayscale version is **58.9502, 62.0202, 67.5400**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **27.6605, 41.3247, 48.1136** is the 20% darker color. If you saturate the color by 10%, you get **52.2044, 75.5510, 86.7472**, and if you desaturate by 10%, it is **59.4730, 79.2013, 91.4577**.

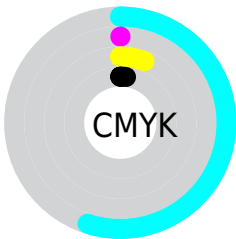
Distribution



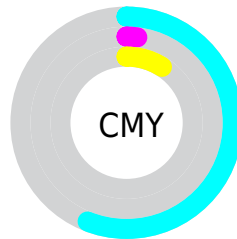
- Red (44%)
- Green (98%)
- Blue (91%)



- Red (44%)
- Yellow (73%)
- Blue (98%)



- Cyan (55%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (56%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3937, 77.1453, 89.0618 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 55.3937, 77.1453, 89.0618 by changing the saturation by 10% instead.

55.3937, 77.1453,
89.0618

55.3937, 77.1453,
89.0618

397.5148,
485.2593, 545.4653

39.9521, 57.3721,
66.6334

97.2625, 129.3446,
147.9586

27.6853, 41.3041,
48.3271

124.4204,
162.5395, 185.2642

18.2278, 28.5568,
33.7241

156.2145,
200.9770, 228.3658

11.2143, 18.7458,
22.4061

193.0101,
245.0417, 277.6822

6.2795, 11.4867,
13.9544

235.1726,
295.1179, 333.6318

3.0581, 6.3952,
7.9506

283.0673,

1.1845, 3.0869,

351.5900, 396.6332

3.9760

337.0596,
414.8423, 467.1048

■ 0.0941, 1.1772,
1.6122

■ 0.0000, 0.0430,
0.2995

■ 55.3937, 77.1453,
89.0618

■ 55.3937, 77.1453,
89.0618

■ 52.2044, 75.5510,
86.7472

■ 59.4730, 79.2013,
91.4577

■ 49.8247, 74.3713,
84.5049


■ 64.5011, 81.7438,
93.9328


■ 48.1709, 73.5652,
82.3325


■ 70.5395, 84.8064,
96.4918


■ 47.1377, 73.0781,
80.2250


■ 77.6426, 88.4169,
99.1374

 46.7562, 72.9056,
79.1134

 85.8609, 92.6016,
101.8722

 92.4636, 95.9526,
104.5685

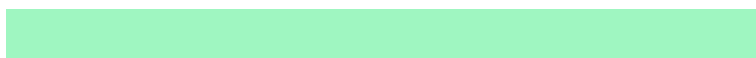
 92.9282, 96.1384,
107.0148

 93.1670, 96.2339,
108.2723

Harmonies

Analogous

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



56.8691, 77.1453, 62.3671



55.3937, 77.1453, 89.0618



58.3452, 77.1453, 120.7550

Triad

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



55.3937, 77.1453, 89.0618



85.2330, 77.1453, 139.1930



81.9562, 77.1453, 42.5152

Complementary

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



55.3937, 77.1453, 89.0618



48.9371, 33.5371, 24.6656

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.



90.6700, 77.1453, 55.5779



55.3937, 77.1453, 89.0618



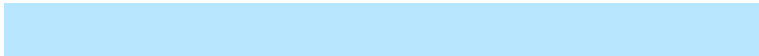
92.6820, 77.1453, 110.1285

Square

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



55.3937, 77.1453, 89.0618



75.0717, 77.1453, 153.6931



94.7585, 77.1453, 79.1301



71.6042, 77.1453, 39.3883

Rectangle

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



55.3937, 77.1453, 89.0618



62.6038, 77.1453, 139.2676



94.7585, 77.1453, 79.1301



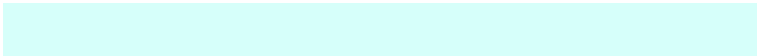
85.2037, 77.1453, 45.7118

Sweetspot

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



55.3959, 77.1483, 89.0636



80.8366, 92.7609, 104.2505



46.2394, 73.7827, 27.4287



16.9585, 19.6798, 22.1896



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.



55.3959, 77.1483, 89.0636



54.6864, 79.5414, 91.2173



44.3654, 51.2612, 97.1820



17.6727, 19.5713, 21.7429



25.0617, 39.0377, 42.5298



2.3453, 3.6252, 4.0660

Inverse Universe

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



48.9371, 33.5371, 24.6656



47.2517, 29.0790, 16.8956



55.1237, 47.4817, 21.8839



17.3277, 17.2584, 18.3152



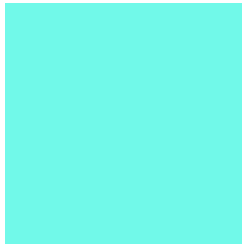
21.0587, 10.8392, 1.7516



1.9763, 1.0142, 0.2984

Previews

White Background



This preview shows how the XYZ color 55.3937, 77.1453, 89.0618 looks on a white background.

Color Contrast Check

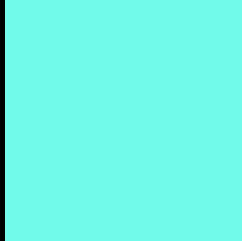
Large Text (above 18pt) WCAG AA × Fail

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 55.3937, 77.1453, 89.0618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

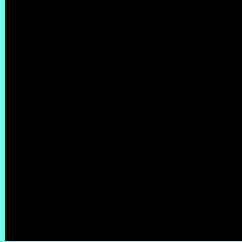
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3937, 77.1453, 89.0618

Background



This preview shows how black text looks on a background with the XYZ color 55.3937, 77.1453, 89.0618.

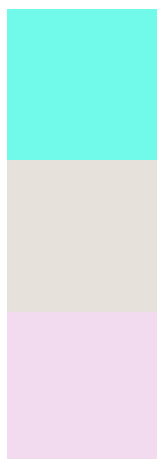


This preview shows how white text looks on a background with the XYZ color 55.3937, 77.1453,

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

55.3937, 77.1453, 89.0618

Protanopia

72.6664, 75.9538, 77.8485

Deuteranopia

77.5295, 75.7723, 92.2006



Tritanopia

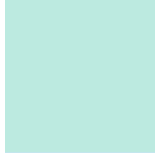
63.3106, 76.8093, 106.0966

Trichromacy



Original Color

55.3937, 77.1453, 89.0618



Protanomaly

63.6164, 74.9188, 81.6288



Deuteranomaly

66.0886, 74.3102, 90.9808



Tritanomaly

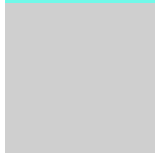
59.9944, 76.5674, 99.6126

Monochromacy



Original Color

55.3937, 77.1453, 89.0618



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.7495, 66.0847, 74.7830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3937, 77.1453, 89.0618 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(113, 249, 233)` looks like.

```
.text, #text, p{  
    color:rgb(113, 249, 233)  
}
```

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(113, 249, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 249, 233) }
```

Border

The CSS property to change the border of an element to XYZ 55.3937, 77.1453, 89.0618 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(113, 249, 233) }
```


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

```
.border{ border-color:rgb(113, 249, 233) }
```

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

Here you see how a box with a 4 pixel rgb(113, 249, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 249, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 249, 233);  
box-shadow:4px 4px 4px 4px rgb(113, 249,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3937, 77.1453, 89.0618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 249, 233) }
```

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

```
.background{ background-color: rgb(113,  
249, 233) }
```

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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