

# Converting Colors

XYZ(55.7451, 72.4990,  
105.6634)

Have a look what the booklet for  
XYZ(55.7451, 72.4990, 105.6634)  
contains.

<b>XYZ(55.7266, 72.4637, 105.6575)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.7266, 72.4637,  
105.6575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71EFFF
RGB	113, 239, 255
RGB Percent	44%, 94%, 100%
CMY	0.5568, 0.0627, 0.0000
CMYK	0.56, 0.06, 0.00, 0.00
HSL	187°, 100%, 72%
HSV	187°, 56%, 100%
XYZ	55.7266, 72.4637, 105.6575
YIQ	203.1500, -80.2320, -21.7360

# Conversions

## Conversions Part 2

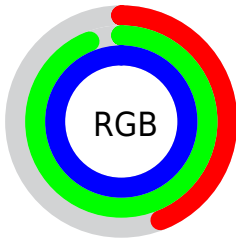
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 180, 255
Decimal	7467007
CIE <sub>Lab</sub>	88.19, -30.62, -18.37
CIE <sub>LCh</sub>	88, 35.703, 210.957
Yxy	72.4637, 0.2383, 0.3099
Android (android.graphics.Color)	4285657087 (0xFF71EFFF)
YUV	203.1500, 25.5621, -79.0615
Hunter-Lab	85.1256, -32.1166, -14.0025

# Details

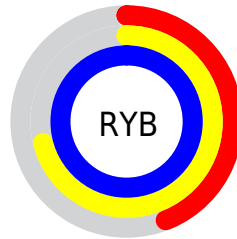
The XYZ color **55.7266, 72.4637, 105.6575** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.0718, 38.1540, 20.2450**, and the grayscale version is **56.7417, 59.6967, 65.0097**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **27.9259, 38.3563, 59.3577** is the 20% darker color. If you saturate the color by 10%, you get **52.0612, 69.3371, 105.2472**, and if you desaturate by 10%, it is **60.3308, 76.0974, 106.1162**.

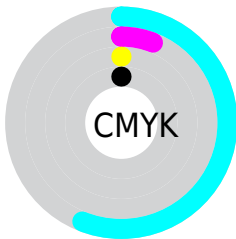
# Distribution



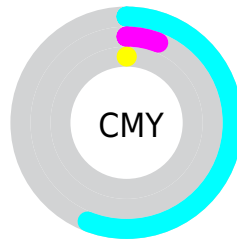
- Red (44%)
- Green (94%)
- Blue (100%)



- Red (44%)
- Yellow (71%)
- Blue (100%)



- Cyan (56%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7266, 72.4637, 105.6575 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 55.7266, 72.4637, 105.6575 by changing the saturation by 10% instead.



55.7266, 72.4637,  
105.6575

55.7266, 72.4637,  
105.6575

398.7521,  
469.1540, 599.5837

40.2199, 53.5376,  
80.3906

97.7469, 122.7156,  
171.0298

27.8950, 38.2321,  
59.5118

124.9911,  
154.8101, 211.9723

18.3866, 26.1629,  
42.6025

156.8786,  
192.0628, 258.9771

11.3293, 16.9455,  
29.2443

193.7747,  
234.8582, 312.4626

6.3577, 10.1957,  
19.0185

236.0448,  
283.5806, 372.8475

3.1065, 5.5289,  
11.5067

284.0541,

1.2103, 2.5608,

338.6144, 440.5503

6.2903

338.1681,  
400.3441, 515.9896

■ 0.1145, 0.9070,  
2.9508

■ 0.0000, 0.0000,  
1.0696

■ 55.7266, 72.4637,  
105.6575

■ 55.7266, 72.4637,  
105.6575

■ 52.0612, 69.3371,  
105.2472

■ 60.3308, 76.0974,  
106.1162

■ 49.2491, 66.6685,  
104.8803

■ 65.9380, 80.2664,  
106.6254

■ 47.1996, 64.4126,  
104.5529

■ 72.6137, 85.0064,  
107.1885

■ 45.7976, 62.5102,  
104.2596

■ 80.4161, 90.3472,  
107.8081

■ 45.3205, 61.7611,  
104.1402

■ 89.3991, 96.3170,  
108.4869

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



53.7215, 72.4637, 79.6886



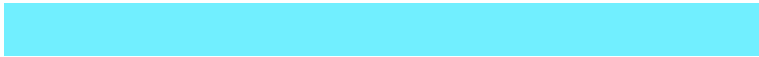
55.7266, 72.4637, 105.6575



61.2039, 72.4637, 127.5887

# Triad

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



55.7266, 72.4637, 105.6575



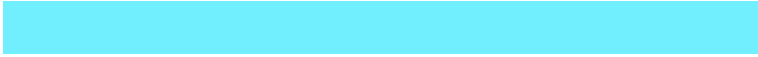
84.2565, 72.4637, 104.0135



68.6007, 72.4637, 40.5916

# Complementary

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



55.7266, 72.4637, 105.6575



52.0718, 38.1540, 20.2450

# 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.



77.1608, 72.4637, 44.5049



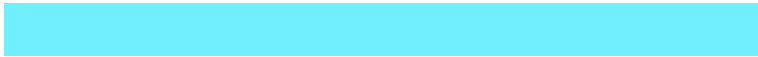
55.7266, 72.4637, 105.6575



86.6387, 72.4637, 78.1179

# Square

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



55.7266, 72.4637, 105.6575



77.6743, 72.4637, 126.5098



83.9432, 72.4637, 57.0916



60.7659, 72.4637, 45.0432

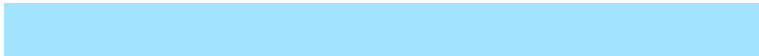


# Rectangle

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



55.7266, 72.4637, 105.6575



66.3248, 72.4637, 135.0749



83.9432, 72.4637, 57.0916



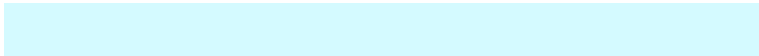
71.4889, 72.4637, 40.9639

# Sweetspot

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



55.7286, 72.4663, 105.6579



79.3224, 89.6086, 107.7232



46.4153, 76.5689, 32.4824



16.6294, 18.9432, 23.0299



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.



55.7286, 72.4663, 105.6579



51.6439, 68.9603, 105.1965



39.1991, 39.4074, 100.1481



18.3698, 20.1113, 23.1636



23.7509, 32.4114, 54.4388



2.3602, 3.2511, 5.3164



# Inverse Universe

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



62.7265, 39.3042, 85.9446



59.5264, 33.6657, 82.5293



64.4616, 62.9335, 24.3749



18.6993, 18.2630, 22.2998



28.7766, 13.9999, 39.0693

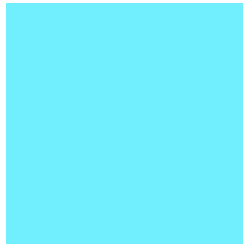


2.8259, 1.3727, 3.9307



# Previews

## White Background



This preview shows how the XYZ color 55.7266, 72.4637, 105.6575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

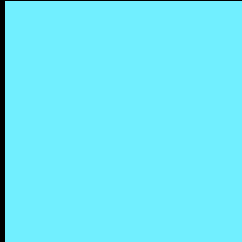
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.7266, 72.4637, 105.6575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

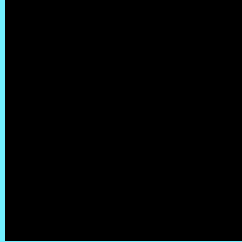
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 55.7266, 72.4637, 105.6575

## Background



This preview shows how black text looks on a background with the XYZ color 55.7266, 72.4637, 105.6575.



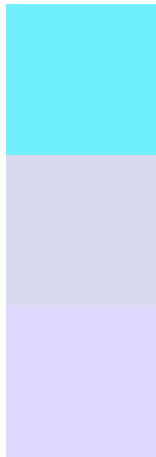
This preview shows how white text looks on a background with the XYZ color 55.7266, 72.4637,



# 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

55.7266, 72.4637, 105.6575

### Protanopia

69.7137, 71.3053, 94.0934

### Deuteranopia

72.1692, 71.1930, 104.5456



## Tritanopia

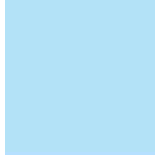
57.0866, 72.3004, 105.5543

# Trichromacy



## Original Color

55.7266, 72.4637, 105.6575



## Protanomaly

62.5753, 70.6918, 98.3425



## Deuteranomaly

63.9971, 70.4764, 104.8380



## Tritanomaly

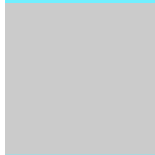
56.6506, 72.5066, 105.6171

# Monochromacy



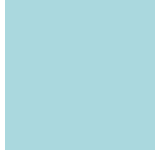
## Original Color

55.7266, 72.4637, 105.6575



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.3182, 62.9317, 78.3914

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7266, 72.4637, 105.6575 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 239, 255)  
}
```

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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7266, 72.4637, 105.6575 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, 239, 255) }
```



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

```
.border{ border-color:rgb(113, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7266, 72.4637, 105.6575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 239, 255) }
```

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

```
.background{ background-color: rgb(113,  
239, 255) }
```

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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