

# Converting Colors

XYZ(58.6444, 72.7534,  
114.9180)

Have a look what the booklet for  
XYZ(58.6444, 72.7534, 114.9180)  
contains.

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# Color

**XYZ(56.9384, 72.2240,  
105.5474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EEDFF
RGB	126, 237, 255
RGB Percent	49%, 93%, 100%
CMY	0.5059, 0.0706, 0.0000
CMYK	0.51, 0.07, 0.00, 0.00
HSL	188°, 100%, 75%
HSV	188°, 51%, 100%
XYZ	56.9384, 72.2240, 105.5474
YIQ	205.8630, -71.9340, -17.9340

# Conversions

## Conversions Part 2

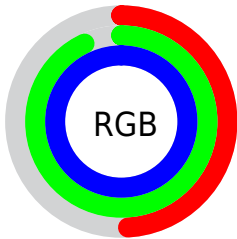
Format	Color
R <sub>Y</sub> B	126, 186, 255
Decimal	8318463
CIE Lab	88.08, -27.11, -18.49
CIE LCh	88, 32.818, 214.302
Yxy	72.2240, 0.2426, 0.3077
Android (android.graphics.Color)	4286508543 (0xFF7EEDFF)
YUV	205.8630, 24.2245, -70.0399
Hunter-Lab	84.9847, -29.1311, -14.1464

# Details

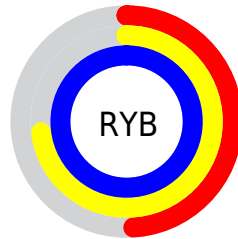
The XYZ color **56.9384, 72.2240, 105.5474** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.9799, 42.7138, 25.0876**, and the grayscale version is **58.4635, 61.5082, 66.9824**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **28.6414, 38.1171, 59.2739** is the 20% darker color. If you saturate the color by 10%, you get **52.6271, 68.4891, 105.0537**, and if you desaturate by 10%, it is **62.2323, 76.4991, 106.0935**.

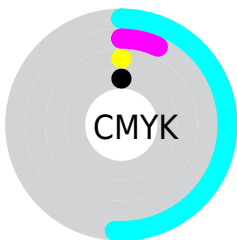
# Distribution



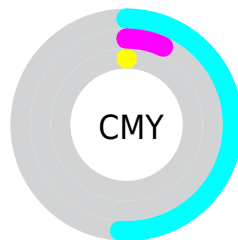
- Red (49%)
- Green (93%)
- Blue (100%)



- Red (49%)
- Yellow (73%)
- Blue (100%)



- Cyan (51%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9384, 72.2240, 105.5474 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 56.9384, 72.2240, 105.5474 by changing the saturation by 10% instead.



56.9384, 72.2240,  
105.5474

56.9384, 72.2240,  
105.5474

403.2364,  
468.3209, 599.2334

41.1957, 53.3417,  
80.2988

99.5072, 122.3749,  
170.8780

28.6604, 38.0756,  
59.4367

127.0640,  
154.4124, 211.7972

18.9671, 26.0414,  
42.5424

159.2896,  
191.6036, 258.7769

11.7503, 16.8546,  
29.1975

196.5493,  
234.3330, 312.2358

6.6449, 10.1309,  
18.9834

239.2085,  
282.9851, 372.5923

3.2854, 5.4858,  
11.4816

287.6325,

1.3064, 2.5350,

337.9442, 440.2651

6.2735

342.1866,  
399.5946, 515.6726

■ 0.1880, 0.8941,  
2.9406

■ 0.0000, 0.0000,  
1.0644

■ 56.9384, 72.2240,  
105.5474

■ 56.9384, 72.2240,  
105.5474

■ 52.6271, 68.4891,  
105.0537

■ 62.2323, 76.4991,  
106.0935

■ 49.2180, 65.2478,  
104.6078

■ 68.5694, 81.3408,  
106.6941

■ 46.6277, 62.4586,  
104.2059

■ 76.0123, 86.7833,  
107.3523

■ 44.7540, 60.0687,  
103.8434

■ 84.6172, 92.8557,  
108.0709

■ 43.4924, 58.1047,  
103.5308

94.4361, 99.5849,  
108.8522

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.



54.6929, 72.2240, 81.9209



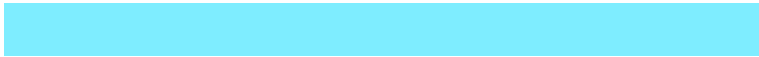
56.9384, 72.2240, 105.5474



62.3190, 72.2240, 124.2778

# Triad

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



56.9384, 72.2240, 105.5474



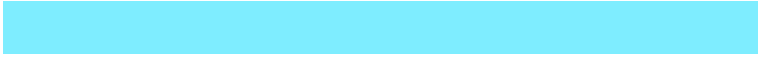
83.1367, 72.2240, 98.8721



67.5228, 72.2240, 42.9843

# Complementary

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



56.9384, 72.2240, 105.5474



54.9799, 42.7138, 25.0876

# 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.



75.3890, 72.2240, 45.8159



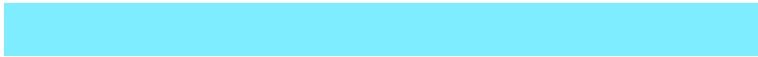
56.9384, 72.2240, 105.5474



84.7924, 72.2240, 75.4472

# Square

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



56.9384, 72.2240, 105.5474



77.4919, 72.2240, 119.9380



81.8593, 72.2240, 56.7442



60.5017, 72.2240, 48.1109

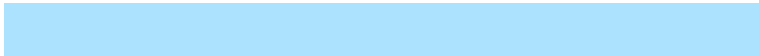


# Rectangle

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



56.9384, 72.2240, 105.5474



67.1618, 72.2240, 129.8601



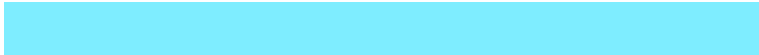
81.8593, 72.2240, 56.7442



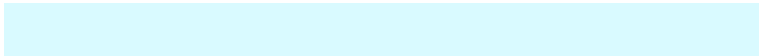
70.1534, 72.2240, 43.0455

# Sweetspot

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



56.9404, 72.2267, 105.5478



80.6722, 90.0958, 107.7461



49.3386, 77.9455, 38.5128



16.8815, 19.0116, 23.0298



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

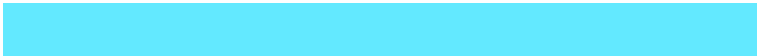


# Same Dimension

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



56.9404, 72.2267, 105.5478



52.4685, 68.3453, 105.0343



41.6570, 41.6599, 100.4534



18.3261, 20.0238, 23.1490



22.8089, 30.5274, 54.1248



2.2777, 3.0860, 5.2889



# Inverse Universe

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



63.9883, 42.2979, 84.9154



60.4953, 36.1695, 81.1078



67.4897, 67.7332, 29.2575



18.6772, 18.2542, 22.1835



28.3011, 13.8097, 36.5655

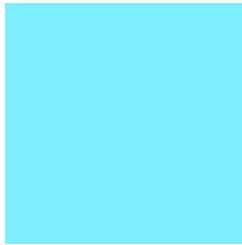


2.7843, 1.3561, 3.7114



# Previews

## White Background



This preview shows how the XYZ color 56.9384, 72.2240, 105.5474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

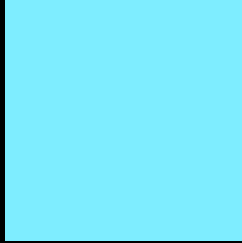
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9384, 72.2240, 105.5474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

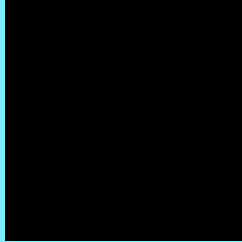
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.9384, 72.2240, 105.5474

## Background



This preview shows how black text looks on a background with the XYZ color 56.9384, 72.2240, 105.5474.



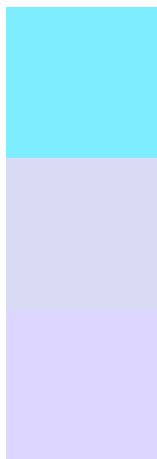
This preview shows how white text looks on a background with the XYZ color 56.9384, 72.2240,



# 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

56.9384, 72.2240, 105.5474

### Protanopia

69.8643, 71.3656, 94.8867

### Deuteranopia

72.1692, 71.1930, 104.5456



## Tritanopia

57.2514, 71.9567, 105.4793

# Trichromacy



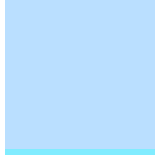
## Original Color

56.9384, 72.2240, 105.5474



## Protanomaly

63.4809, 70.7562, 98.3072



## Deuteranomaly

64.6874, 70.4345, 104.7936



## Tritanomaly

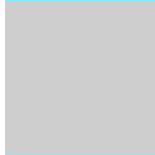
57.0987, 71.8780, 105.4722

# Monochromacy



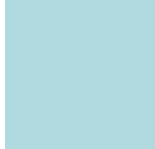
## Original Color

56.9384, 72.2240, 105.5474



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

56.3989, 64.3546, 79.9702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9384, 72.2240, 105.5474 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(126, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 237, 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(126, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 237, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9384, 72.2240, 105.5474 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(126, 237, 255) }
```



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

```
.border{ border-color:rgb(126, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(126, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9384, 72.2240, 105.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 237, 255) }
```

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

```
.background{ background-color: rgb(126,  
237, 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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