

# Converting Colors

XYZ(54.9043, 72.3712, 74.3998)

Have a look what the booklet for  
XYZ(54.9043, 72.3712, 74.3998)  
contains.

<b>XYZ(54.9249, 72.3000, 74.6788)</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(54.9249, 72.3000,  
74.6788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94EED6
RGB	148, 238, 214
RGB Percent	58%, 93%, 84%
CMY	0.4196, 0.0666, 0.1608
CMYK	0.38, 0.00, 0.10, 0.07
HSL	164°, 73%, 76%
HSV	164°, 38%, 93%
XYZ	54.9249, 72.3000, 74.6788
YIQ	208.3540, -45.9360, -26.5440

# Conversions

## Conversions Part 2

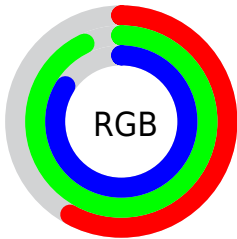
Format	Color
<b>RYB</b>	148, 200, 238
Decimal	9760470
CIELab	88.11, -32.30, 3.13
CIELCh	88, 32.446, 174.468
Yxy	72.3000, 0.2720, 0.3581
Android (android.graphics.Color)	4287950550 (0xFF94EED6)
YUV	208.3540, 2.7835, -52.9305
Hunter-Lab	85.0294, -33.4991, 7.4479

# Details

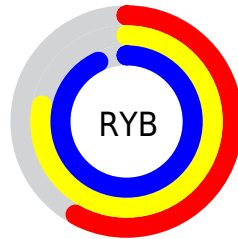
The XYZ color **54.9249, 72.3000, 74.6788** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.2987, 42.3375, 44.3954**, and the grayscale version is **60.1894, 63.3240, 68.9598**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **27.3996, 38.2344, 38.7368** is the 20% darker color. If you saturate the color by 10%, you get **50.2600, 69.9889, 70.3121**, and if you desaturate by 10%, it is **60.5106, 75.0859, 79.2566**.

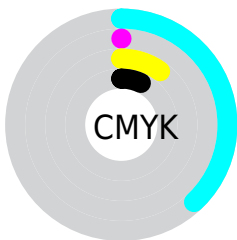
# Distribution



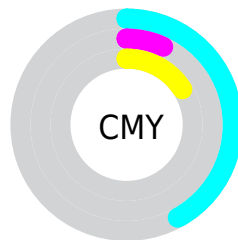
- Red (58%)
- Green (93%)
- Blue (84%)



- Red (58%)
- Yellow (78%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)




- Cyan (42%)
- Magenta (7%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9249, 72.3000, 74.6788 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 54.9249, 72.3000, 74.6788 by changing the saturation by 10% instead.




 54.9249, 72.3000,  
74.6788


 54.9249, 72.3000,  
74.6788


395.7682,  
468.5851, 496.0388

 39.5752, 53.4038,  
54.8496


 96.5799, 122.4830,  
127.6005

 27.3902, 38.1252,  
38.8836


 123.6159,  
154.5385, 161.5301

 18.0046, 26.0799,  
26.3620


155.2780,  
191.7492, 200.9970

 11.0530, 16.8834,  
16.8665

191.9316,  
234.4996, 246.4196

 6.1701, 10.1514,  
9.9784

233.9421,  
283.1740, 298.2166

 2.9904, 5.4995,  
5.2792


281.6748,


 1.1487, 2.5432,


338.1568, 356.8064


2.3504


335.4951,  
399.8323, 422.6076

 0.0653, 0.8982,  
0.7593


 0.0000, 0.0000,  
0.0000


 54.9249, 72.3000,  
74.6788

 54.9249, 72.3000,  
74.6788


 50.2600, 69.9889,  
70.3121


 60.5106, 75.0859,  
79.2566


 46.4547, 68.1154,  
66.1471

 67.0611, 78.3636,  
84.0448

 43.4501, 66.6512,  
62.1808

 74.6253, 82.1602,  
89.0490

 41.1769, 65.5604,  
58.4080

 83.2466, 86.4979,  
94.2729

■ 39.5534, 64.8012,  
54.8229

■ 88.4102, 89.0494,  
99.5071

■ 38.4692, 64.3165,  
51.4184

■ 89.4001, 89.4453,  
104.7197

■ 38.2676, 64.2283,  
50.6966

■ 89.8658, 89.6316,  
107.1719

# Harmonies

## Analogous

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



57.2886, 72.3000, 56.4288



54.9249, 72.3000, 74.6788



56.0253, 72.3000, 97.7604

# Triad

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



54.9249, 72.3000, 74.6788



75.0795, 72.3000, 124.3199



77.7504, 72.3000, 48.8423

# Complementary

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



54.9249, 72.3000, 74.6788



53.2987, 42.3375, 44.3954

# 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.



83.1983, 72.3000, 62.3319



54.9249, 72.3000, 74.6788



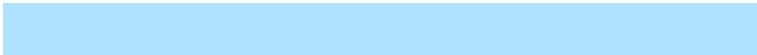
81.5768, 72.3000, 106.2281

# Square

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



54.9249, 72.3000, 74.6788



67.2922, 72.3000, 129.3150



84.6484, 72.3000, 82.9094



70.1658, 72.3000, 43.4188



# Rectangle

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



54.9249, 72.3000, 74.6788



58.6212, 72.3000, 112.5727



84.6484, 72.3000, 82.9094



79.9144, 72.3000, 52.4451

# Sweetspot

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



54.9269, 72.3029, 74.6805



84.2916, 94.5903, 102.2316



53.2665, 72.2316, 39.1529



17.7804, 20.1149, 21.7105



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.



54.9269, 72.3029, 74.6805



60.1259, 82.5206, 83.5629



52.8489, 62.8741, 90.2427



16.0569, 17.8528, 19.3227



21.4051, 35.8540, 28.5797



1.8217, 2.9991, 2.5934



# Inverse Universe

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



53.2987, 42.3375, 44.3954



57.9913, 43.0240, 43.7025



54.5180, 48.1384, 34.4365



15.9459, 15.8281, 17.2713



20.2251, 10.3625, 3.8360

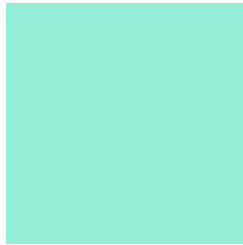


1.7224, 0.8780, 0.5292



# Previews

## White Background



This preview shows how the XYZ color 54.9249, 72.3000, 74.6788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

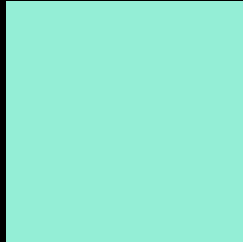
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9249, 72.3000, 74.6788 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

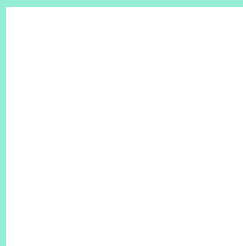
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.9249, 72.3000, 74.6788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9249, 72.3000, 74.6788.



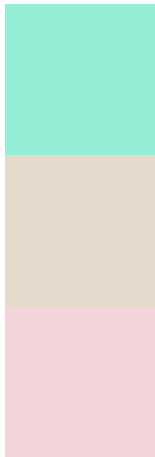
This preview shows how white text looks on a background with the XYZ color 54.9249, 72.3000,



# 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

54.9249, 72.3000, 74.6788

### Protanopia

68.2255, 71.5166, 67.3350

### Deuteranopia

72.8561, 71.4037, 76.9602



## Tritanopia

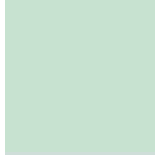
60.4561, 72.4110, 102.0571

# Trichromacy



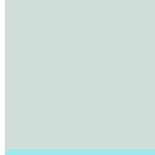
## Original Color

54.9249, 72.3000, 74.6788



## Protanomaly

62.1347, 71.0889, 70.1212



## Deuteranomaly

64.3778, 70.5177, 75.8638



## Tritanomaly

58.4674, 72.4597, 91.7935

# Monochromacy



## Original Color

54.9249, 72.3000, 74.6788



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

57.2141, 65.7553, 70.6493

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9249, 72.3000, 74.6788 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(148, 238, 214)` looks like.

```
.text, #text, p{  
    color:rgb(148, 238, 214)  
}
```

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(148, 238, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 238, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9249, 72.3000, 74.6788 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(148, 238, 214) }
```



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

```
.border{ border-color:rgb(148, 238, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 238, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 238, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 238, 214);  
box-shadow:4px 4px 4px 4px rgb(148, 238,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9249, 72.3000, 74.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 238, 214) }
```

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

```
.background{ background-color: rgb(148,  
238, 214) }
```

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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