

# Converting Colors

XYZ(49.4144, 71.9282, 97.5066)

Have a look what the booklet for  
XYZ(49.4144, 71.9282, 97.5066)  
contains.

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# Color

**XYZ(49.5347, 72.1041,  
97.6929)**

# Conversions

Conversions Part 1	
Format	Color
Hex	19F5F5
RGB	25, 245, 245
RGB Percent	10%, 96%, 96%
CMY	0.9018, 0.0392, 0.0392
CMYK	0.90, 0.00, 0.00, 0.04
HSL	180°, 92%, 53%
HSV	180°, 90%, 96%
XYZ	49.5347, 72.1041, 97.6929
YIQ	179.2200, -131.1200, -46.6400

# Conversions

## Conversions Part 2

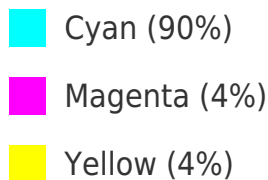
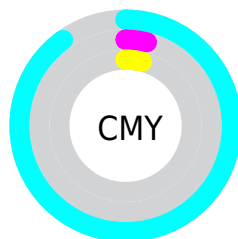
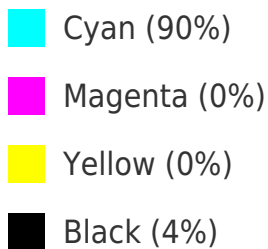
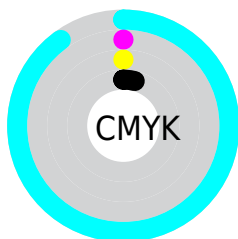
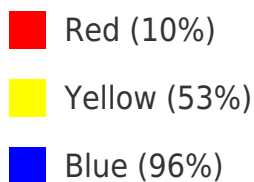
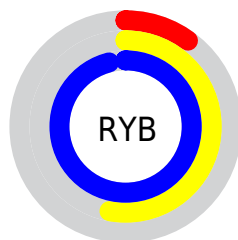
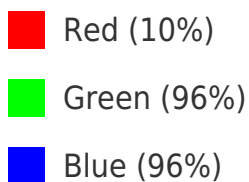
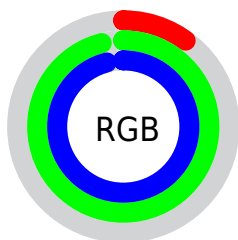
Format	Color
<a href="#">RYB</a>	<a href="#">25, 135, 245</a>
Decimal	<a href="#">1701365</a>
CIELab	<a href="#">88.02, -45.99, -13.56</a>
CIELCh	<a href="#">88, 47.942, 196.426</a>
Yxy	<a href="#">72.1041, 0.2258, 0.3287</a>
Android (android.graphics.Color)	<a href="#">4279891445</a> (0xFF19F5F5)
YUV	<a href="#">179.2200, 32.4295, -135.2509</a>
Hunter-Lab	<a href="#">84.9141, -44.4717, -8.7727</a>

# Details

The XYZ color **49.5347, 72.1041, 97.6929** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **38.1816, 20.1801, 2.8044**, and the grayscale version is **42.8536, 45.0853, 49.0979**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **27.1685, 39.6406, 54.3636** is the 20% darker color. If you saturate the color by 10%, you get **49.1418, 71.9031, 97.6760**, and if you desaturate by 10%, it is **50.4277, 72.5660, 97.7365**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5347, 72.1041, 97.6929 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 49.5347, 72.1041, 97.6929 by changing the saturation by 10% instead.





 49.5347, 72.1041,  
97.6929


 49.5347, 72.1041,  
97.6929


375.3257,  
467.9039, 573.9536


 35.2601, 53.2437,  
73.7691


 88.6810, 122.2045,  
160.0072

 24.0308, 37.9974,  
54.1094


 114.2835,  
154.2134, 199.2347

 15.4813, 25.9806,  
38.2954

 144.3926,  
191.3738, 244.4006

 9.2464, 16.8092,  
25.9084

 179.3738,  
234.0702, 295.9233

 4.9606, 10.0985,  
16.5300

219.5923,  
282.6871, 354.2214

 2.2587, 5.4643,  
9.7416


265.4135,


 0.7734, 2.5222,


337.6087, 419.7135


5.1246


317.2029,  
399.2195, 492.8181


 0.0000, 0.8877,  
2.2605


 0.0000, 0.0000,  
0.7090

 49.5347, 72.1041,  
97.6929


 49.5347, 72.1041,  
97.6929


 49.1418, 71.9031,  
97.6760


 50.4277, 72.5660,  
97.7365

 49.1352, 71.8997,  
97.6757


 51.9618, 73.3569,  
97.8085


 54.2300, 74.5262,  
97.9148


 57.3085, 76.1132,  
98.0591

 61.2640, 78.1523,  
98.2444

 66.1562, 80.6743,  
98.4735

 72.0397, 83.7074,  
98.7490

 78.9649, 87.2775,  
99.0733

 86.9788, 91.4087,  
99.4485

# Harmonies

## Analogous

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



49.3069, 72.1041, 64.6399



49.5347, 72.1041, 97.6929



54.4688, 72.1041, 133.5279

# Triad

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



49.5347, 72.1041, 97.6929



85.7257, 72.1041, 130.3952



73.8230, 72.1041, 31.8328

# Complementary

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



49.5347, 72.1041, 97.6929



38.1816, 20.1801, 2.8044

# 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.



84.8306, 72.1041, 41.1585



49.5347, 72.1041, 97.6929



92.2011, 72.1041, 94.2325

# Square

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



49.5347, 72.1041, 97.6929



74.9393, 72.1041, 155.7087



91.8564, 72.1041, 62.0170



62.5022, 72.1041, 32.2792

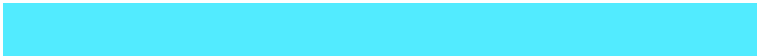


# Rectangle

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



49.5347, 72.1041, 97.6929



60.1113, 72.1041, 151.5091



91.8564, 72.1041, 62.0170



77.7063, 72.1041, 33.7865

# Sweetspot

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



49.5369, 72.1068, 97.6946



74.0961, 89.1979, 107.9188



33.3275, 65.6342, 11.8337



15.4201, 18.8654, 23.0785



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.



49.5369, 72.1068, 97.6946



53.8096, 78.7398, 106.9680



26.0706, 25.1738, 89.8741



16.9968, 18.7578, 21.2673



26.4692, 38.7325, 52.6181



2.3264, 3.4042, 4.6246



# Inverse Universe

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



38.1816, 20.1801, 2.8044



41.2400, 21.2600, 1.9301



45.9969, 35.8107, 5.4094



16.4992, 16.4825, 17.1094



20.2862, 10.4579, 0.9494

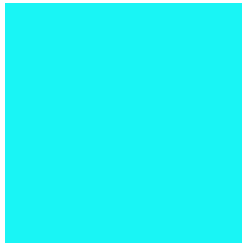


1.7830, 0.9191, 0.0835



# Previews

## White Background



This preview shows how the XYZ color 49.5347, 72.1041, 97.6929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

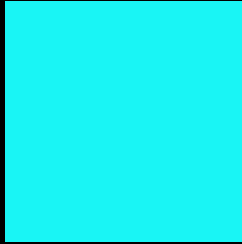
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.5347, 72.1041, 97.6929 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

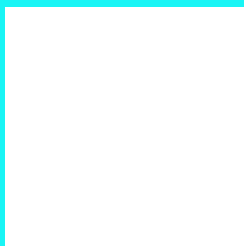
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.5347, 72.1041, 97.6929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5347, 72.1041, 97.6929.



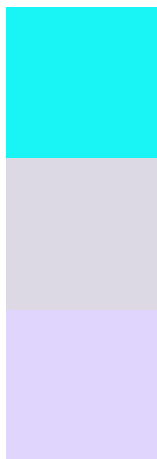
This preview shows how white text looks on a background with the XYZ color 49.5347, 72.1041,



# 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

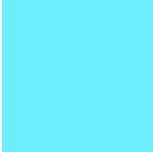
49.5347, 72.1041, 97.6929

### Protanopia

68.3316, 70.4428, 83.3941

### Deuteranopia

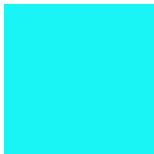
72.1054, 70.4641, 101.8960



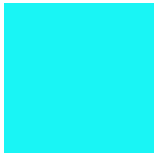
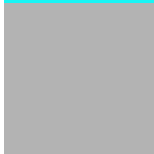
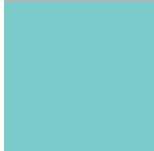
## **Tritanopia**

54.8089, 71.5572, 105.5309

# Trichromacy

	<b>Original Color</b> 49.5347, 72.1041, 97.6929
	<b>Protanomaly</b> 54.7148, 67.2682, 87.9422
	<b>Deuteranomaly</b> 56.9730, 67.3654, 99.6226
	<b>Tritanomaly</b> 52.0098, 71.4953, 102.3256

# Monochromacy

	<b>Original Color</b> 49.5347, 72.1041, 97.6929
	<b>Achromatopsia</b> 42.8472, 45.0786, 49.0906
	<b>Achromatomaly</b> 40.3038, 51.2346, 64.2649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5347, 72.1041, 97.6929 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(25, 245, 245) looks like.

```
.text, #text, p{  
    color:rgb(25, 245, 245)  
}
```

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(25, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 245, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5347, 72.1041, 97.6929 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(25, 245, 245) }
```



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

```
.border{ border-color:rgb(25, 245, 245) }
```

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

Here you see how a box with a 4 pixel rgb(25, 245, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(25, 245,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5347, 72.1041, 97.6929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 245, 245) }
```

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

```
.background{ background-color: rgb(25, 245,  
245) }
```

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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