

# Converting Colors

XYZ(50.0451, 71.9368, 96.8355)

Have a look what the booklet for  
XYZ(50.0451, 71.9368, 96.8355)  
contains.

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# Color

**XYZ(50.0451, 71.9368,  
96.8355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33F4F4
RGB	51, 244, 244
RGB Percent	20%, 96%, 96%
CMY	0.7999, 0.0431, 0.0431
CMYK	0.79, 0.00, 0.00, 0.04
HSL	180°, 90%, 58%
HSV	180°, 79%, 96%
XYZ	50.0451, 71.9368, 96.8355
YIQ	186.2930, -115.0280, -40.9160

# Conversions

## Conversions Part 2

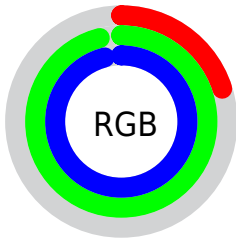
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 148, 244
Decimal	3405044
CIE Lab	87.94, -44.26, -13.13
CIE LCh	88, 46.167, 196.523
Yxy	71.9368, 0.2287, 0.3288
Android (android.graphics.Color)	4281595124 (0xFF33F4F4)
YUV	186.2930, 28.4496, -118.6520
Hunter-Lab	84.8156, -43.1040, -8.3216

# Details

The XYZ color **50.0451, 71.9368, 96.8355** 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 **39.0920, 21.8422, 5.2899**, and the grayscale version is **46.7319, 49.1656, 53.5413**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.8474, 39.1715, 53.7228** is the 20% darker color. If you saturate the color by 10%, you get **49.1230, 71.4630, 96.7938**, and if you desaturate by 10%, it is **51.6157, 72.7480, 96.9108**.

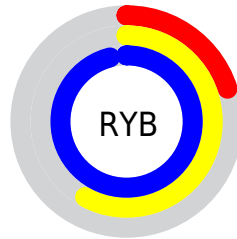
# Distribution



Red (20%)

Green (96%)

Blue (96%)



Red (20%)

Yellow (58%)

Blue (96%)

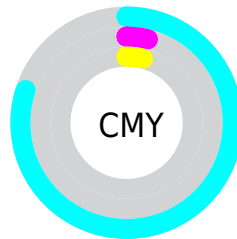


Cyan (79%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (80%)

Magenta (4%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0451, 71.9368, 96.8355 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 50.0451, 71.9368, 96.8355 by changing the saturation by 10% instead.





 50.0451, 71.9368,  
96.8355


 50.0451, 71.9368,  
96.8355


377.2914,  
467.3216, 571.1583


 35.6672, 53.1071,  
73.0583


 89.4331, 121.9667,  
158.8153


 24.3462, 37.8882,  
53.5315


 115.1739,  
153.9356, 197.8550

 15.7167, 25.8960,  
37.8366


 145.4331,  
191.0530, 242.8193

 9.4135, 16.7458,  
25.5551

 180.5759,  
233.7033, 294.1267

 5.0711, 10.0534,  
16.2683

220.9678,  
282.2710, 352.1958

 2.3242, 5.4344,  
9.5578

266.9741,

 0.8070, 2.5043,

337.1403, 417.4450

5.0050

318.9602,  
398.6957, 490.2930

■ 0.0000, 0.8788,  
2.1914

■ 0.0000, 0.0000,  
0.6694

■ 50.0451, 71.9368,  
96.8355

■ 50.0451, 71.9368,  
96.8355

■ 49.1230, 71.4630,  
96.7938

■ 51.6157, 72.7480,  
96.9108


■ 48.7088, 71.2495,  
96.7742


■ 53.9167, 73.9342,  
97.0187


■ 48.6810, 71.2352,  
96.7729


■ 57.0251, 75.5367,  
97.1643

■ 61.0064, 77.5891,  
97.3508

 65.9193, 80.1218,  
97.5809

 71.8175, 83.1624,  
97.8571

 78.7507, 86.7366,  
98.1818

 86.7650, 90.8682,  
98.5570

 89.9214, 92.4953,  
98.7049

# Harmonies

## Analogous

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



49.8093, 71.9368, 65.0485



50.0451, 71.9368, 96.8355



54.8366, 71.9368, 130.9790

# Triad

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



50.0451, 71.9368, 96.8355



84.8878, 71.9368, 127.7999



73.4193, 71.9368, 32.9743

# Complementary

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



50.0451, 71.9368, 96.8355



39.0920, 21.8422, 5.2899

# 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.



83.9735, 71.9368, 42.0991



50.0451, 71.9368, 96.8355



91.0580, 71.9368, 93.2996

# Square

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



50.0451, 71.9368, 96.8355



74.5631, 71.9368, 151.8781



90.7065, 71.9368, 62.3412



62.5368, 71.9368, 33.4443



# Rectangle

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



50.0451, 71.9368, 96.8355



60.2938, 71.9368, 148.0061



90.7065, 71.9368, 62.3412



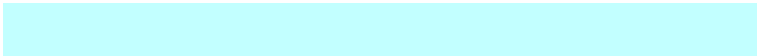
77.1451, 71.9368, 34.8887

# Sweetspot

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



50.0473, 71.9395, 96.8372



76.0067, 90.1829, 108.0083



34.4836, 65.7334, 14.0044



15.7852, 19.0537, 23.0956



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.



50.0473, 71.9395, 96.8372



53.9720, 78.8235, 106.9757



28.7186, 29.2817, 89.7290



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.



39.0920, 21.8422, 5.2899



41.4518, 21.5699, 2.3511



47.9253, 39.5087, 8.2341



16.4992, 16.4825, 17.1094



20.2862, 10.4579, 0.9494

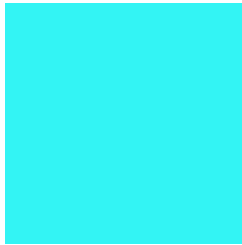


1.7830, 0.9191, 0.0835



# Previews

## White Background



This preview shows how the XYZ color 50.0451, 71.9368, 96.8355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

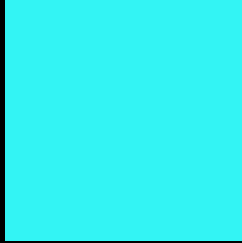
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0451, 71.9368, 96.8355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

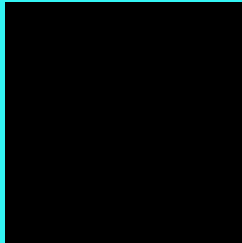
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.0451, 71.9368, 96.8355**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.0451, 71.9368, 96.8355.



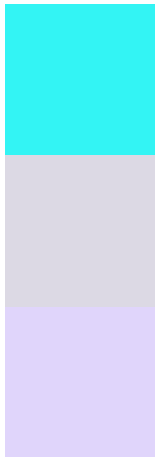
This preview shows how white text looks on a background with the XYZ color 50.0451, 71.9368,



# 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

50.0451, 71.9368, 96.8355

### Protanopia

68.3316, 70.4428, 83.3941

### Deuteranopia

71.9473, 70.4008, 101.0635



## Tritanopia

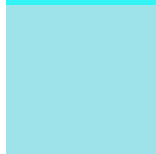
54.8089, 71.5572, 105.5309

# Trichromacy



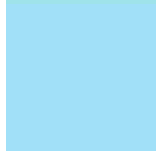
## Original Color

50.0451, 71.9368, 96.8355



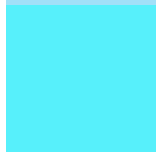
## Protanomaly

56.6184, 68.2496, 88.0313



## Deuteranomaly

58.2969, 67.6657, 98.7951



## Tritanomaly

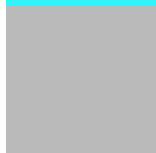
52.5032, 71.3114, 102.2641

# Monochromacy



## Original Color

50.0451, 71.9368, 96.8355



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

43.8918, 54.4490, 67.2278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0451, 71.9368, 96.8355 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(51, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(51, 244, 244)  
}
```

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(51, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 244, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0451, 71.9368, 96.8355 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(51, 244, 244) }
```



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

```
.border{ border-color:rgb(51, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(51, 244,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0451, 71.9368, 96.8355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 244, 244) }
```

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

```
.background{ background-color: rgb(51, 244,  
244) }
```

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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