

# Converting Colors

XYZ(51.1504, 74.2444,  
100.4317)

Have a look what the booklet for  
XYZ(51.1504, 74.2444, 100.4317)  
contains.

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# Color

**XYZ(51.1379, 74.2354,  
100.4406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21F8F8
RGB	33, 248, 248
RGB Percent	13%, 97%, 97%
CMY	0.8705, 0.0274, 0.0274
CMYK	0.87, 0.00, 0.00, 0.03
HSL	180°, 94%, 55%
HSV	180°, 87%, 97%
XYZ	51.1379, 74.2354, 100.4406
YIQ	183.7150, -128.1400, -45.5800

# Conversions

## Conversions Part 2

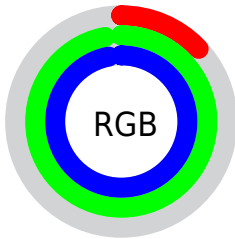
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	33, 141, 248
Decimal	2226424
CIE Lab	89.03, -46.06, -13.60
CIE LCh	89, 48.030, 196.447
Yxy	74.2354, 0.2265, 0.3287
Android (android.graphics.Color)	4280416504 (0xFF21F8F8)
YUV	183.7150, 31.6925, -132.1771
Hunter-Lab	86.1600, -44.8361, -8.8051

# Details

The XYZ color **51.1379, 74.2354, 100.4406** 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 **39.5322, 21.1564, 3.4411**, and the grayscale version is **45.2899, 47.6485, 51.8892**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **28.1452, 41.0674, 56.3126** is the 20% darker color. If you saturate the color by 10%, you get **50.6150, 73.9674, 100.4177**, and if you desaturate by 10%, it is **52.2471, 74.8088, 100.4944**.

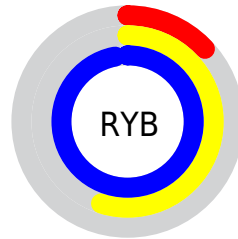
# Distribution



Red (13%)

Green (97%)

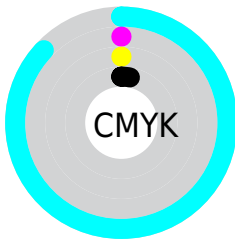
Blue (97%)



Red (13%)

Yellow (55%)

Blue (97%)

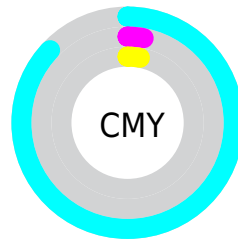


Cyan (87%)

Magenta (0%)

Yellow (0%)

Black (3%)



Cyan (87%)

Magenta (3%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1379, 74.2354, 100.4406 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 51.1379, 74.2354, 100.4406 by changing the saturation by 10% instead.





 51.1379, 74.2354,  
100.4406


 51.1379, 74.2354,  
100.4406


381.4782,  
475.2854, 582.8631


 36.5399, 54.9867,  
76.0496


 91.0404, 125.2294,  
163.8197


 25.0235, 39.3911,  
55.9663


 117.0755,  
157.7436, 203.6449

 16.2234, 27.0641,  
39.7721

 147.6537,  
195.4484, 249.4519

 9.7742, 17.6214,  
27.0485

 183.1403,  
238.7282, 301.6593

 5.3106, 10.6785,  
17.3769

223.9007,  
287.9674, 360.6855

 2.4673, 5.8511,  
10.3388

270.3002,

 0.8788, 2.7547,

343.5504, 426.9492

5.5156

322.7043,  
405.8616, 500.8689

■ 0.0000, 1.0051,  
2.4889

■ 0.0000, 0.0000,  
0.8342

■ 51.1379, 74.2354,  
100.4406

■ 51.1379, 74.2354,  
100.4406

■ 50.6150, 73.9674,  
100.4177


■ 52.2471, 74.8088,  
100.4944


■ 50.5120, 73.9143,  
100.4128


■ 54.0468, 75.7366,  
100.5787


■ 56.6274, 77.0669,  
100.6997

■ 60.0640, 78.8386,  
100.8607

 64.4229, 81.0856,  
101.0648

 69.7638, 83.8390,  
101.3149

 76.1416, 87.1269,  
101.6136

 83.6069, 90.9754,  
101.9631

 91.7523, 95.1745,  
102.3444

# Harmonies

## Analogous

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



50.9014, 74.2354, 66.6755



51.1379, 74.2354, 100.4406



56.1889, 74.2354, 136.9742

# Triad

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



51.1379, 74.2354, 100.4406



88.1171, 74.2354, 133.7352



75.9530, 74.2354, 33.0419

# Complementary

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



51.1379, 74.2354, 100.4406



39.5322, 21.1564, 3.4411

# 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.



87.1903, 74.2354, 42.6042



51.1379, 74.2354, 100.4406



94.7188, 74.2354, 96.8574

# Square

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



51.1379, 74.2354, 100.4406



77.1096, 74.2354, 159.5329



94.3620, 74.2354, 63.9536



64.3894, 74.2354, 33.5072



# Rectangle

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



51.1379, 74.2354, 100.4406



61.9600, 74.2354, 155.2816



94.3620, 74.2354, 63.9536



79.9179, 74.2354, 35.0458

# Sweetspot

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



51.1402, 74.2382, 100.4424



74.7218, 89.5205, 107.9482



34.5925, 67.6331, 12.6723



15.5397, 18.9271, 23.0841



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.



51.1402, 74.2382, 100.4424



53.8097, 78.7399, 106.9683



27.5603, 27.0780, 92.5837



17.7659, 19.6086, 22.2337



27.2857, 39.9273, 54.2413



2.5271, 3.6980, 5.0237



# Inverse Universe

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



39.5322, 21.1564, 3.4411



41.2400, 21.2600, 1.9301



47.9238, 37.9395, 6.2382



17.2447, 17.2252, 17.8783



20.9119, 10.7805, 0.9787

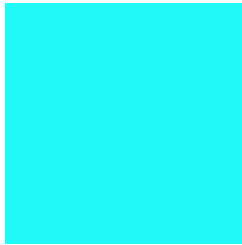


1.9368, 0.9985, 0.0907



# Previews

## White Background



This preview shows how the XYZ color 51.1379, 74.2354, 100.4406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

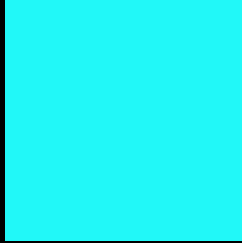
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1379, 74.2354, 100.4406 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 51.1379, 74.2354, 100.4406

## Background



This preview shows how black text looks on a background with the XYZ color 51.1379, 74.2354, 100.4406.



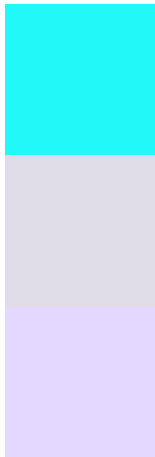
This preview shows how white text looks on a background with the XYZ color 51.1379, 74.2354,



# 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

51.1379, 74.2354, 100.4406

### Protanopia

70.4484, 72.6439, 85.9099

### Deuteranopia

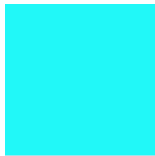
74.2844, 72.6626, 104.7178



## Tritanopia

57.8143, 73.9758, 105.8394

# Trichromacy



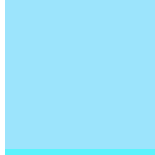
## Original Color

51.1379, 74.2354, 100.4406



## Protanomaly

56.9093, 69.5781, 90.5512



## Deuteranomaly

59.0244, 69.5830, 102.4154



## Tritanomaly

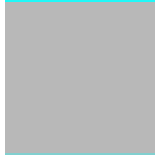
54.0349, 73.4048, 103.4161

# Monochromacy



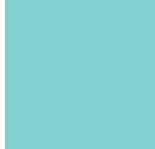
## Original Color

51.1379, 74.2354, 100.4406



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.6286, 53.7978, 67.1687

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1379, 74.2354, 100.4406 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(33, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(33, 248, 248)  
}
```

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(33, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 248, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1379, 74.2354, 100.4406 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(33, 248, 248) }
```



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

```
.border{ border-color:rgb(33, 248, 248) }
```

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

Here you see how a box with a 4 pixel rgb(33, 248, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(33, 248,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1379, 74.2354, 100.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 248, 248) }
```

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

```
.background{ background-color: rgb(33, 248,  
248) }
```

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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