

# Converting Colors

XYZ(53.6537, 78.3943,  
100.9040)

Have a look what the booklet for  
XYZ(53.6537, 78.3943, 100.9040)  
contains.

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# Color

**XYZ(53.6517, 78.3139,  
101.0953)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31FEF8
RGB	49, 254, 248
RGB Percent	19%, 100%, 97%
CMY	0.8078, 0.0039, 0.0274
CMYK	0.81, 0.00, 0.02, 0.00
HSL	178°, 99%, 59%
HSV	178°, 81%, 100%
XYZ	53.6517, 78.3139, 101.0953
YIQ	192.0210, -120.2540, -45.3260

# Conversions

## Conversions Part 2

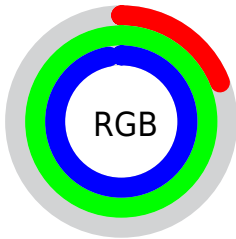
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	49, 153, 254
Decimal	3276536
CIE Lab	90.92, -47.65, -10.76
CIE LCh	91, 48.852, 192.728
Yxy	78.3139, 0.2302, 0.3360
Android (android.graphics.Color)	4281466616 (0xFF31FEF8)
YUV	192.0210, 27.5976, -125.4294
Hunter-Lab	88.4951, -46.6478, -5.7853

# Details

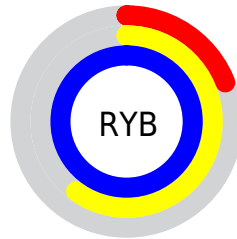
The XYZ color **53.6517, 78.3139, 101.0953** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.6636, 23.5457, 5.9131**, and the grayscale version is **50.0135, 52.6181, 57.3011**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **29.2544, 43.2856, 56.6823** is the 20% darker color. If you saturate the color by 10%, you get **52.6390, 77.8069, 100.4485**, and if you desaturate by 10%, it is **55.3586, 79.1822, 101.7805**.

# Distribution



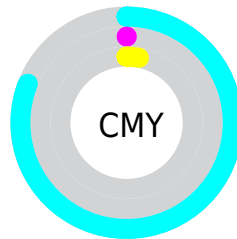
- Red (19%)
- Green (100%)
- Blue (97%)



- Red (19%)
- Yellow (60%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (81%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6517, 78.3139, 101.0953 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 53.6517, 78.3139, 101.0953 by changing the saturation by 10% instead.





 53.6517, 78.3139,  
101.0953


 53.6517, 78.3139,  
101.0953


391.0005,  
489.2322, 584.9753


 38.5528, 58.3319,  
76.5936


 94.7225, 130.9925,  
164.7265


 26.5912, 42.0755,  
56.4098


 121.4252,  
164.4579, 204.6932

 17.4014, 29.1604,  
40.1254


 152.7266,  
203.1866, 250.6519

 10.6182, 19.2022,  
27.3218

 188.9919,  
247.5628, 303.0212

 5.8761, 11.8165,  
17.5805

230.5866,  
297.9711, 362.2196

 2.8098, 6.6188,  
10.4829

277.8761,

 1.0540, 3.2249,

354.7959, 428.6658

5.6105

331.2256,  
418.4214, 502.7781

■ 0.0000, 1.2502,  
2.5448

■ 0.0000, 0.1022,  
0.8638

■ 53.6517, 78.3139,  
101.0953

■ 53.6517, 78.3139,  
101.0953

■ 52.6390, 77.8069,  
100.4485

■ 55.3586, 79.1822,  
101.7805

■ 52.1647, 77.5747,  
99.8694

■ 57.8538, 80.4551,  
102.5033

■ 61.2244, 82.1792,  
103.2694

■ 65.5439, 84.3925,  
104.0824

70.8784, 87.1290,  
104.9452

77.2879, 90.4196,  
105.8608

84.8278, 94.2929,  
106.8316

93.5496, 98.7754,  
107.8602

94.6840, 99.3464,  
108.5361

# Harmonies

## Analogous

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



54.0431, 78.3139, 66.6858



53.6517, 78.3139, 101.0953



58.3663, 78.3139, 140.0327

# Triad

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



53.6517, 78.3139, 101.0953



91.6784, 78.3139, 145.3890



81.6862, 78.3139, 35.5370

# Complementary

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



53.6517, 78.3139, 101.0953



42.6636, 23.5457, 5.9131

# 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.



93.2114, 78.3139, 47.0490



53.6517, 78.3139, 101.0953



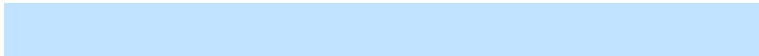
99.4025, 78.3139, 107.0223

# Square

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



53.6517, 78.3139, 101.0953



79.7729, 78.3139, 169.9577



99.9926, 78.3139, 71.1898



69.3407, 78.3139, 34.7666



# Rectangle

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



53.6517, 78.3139, 101.0953



64.1075, 78.3139, 160.8304



99.9926, 78.3139, 71.1898



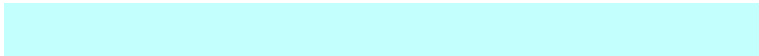
85.8161, 78.3139, 38.0947

# Sweetspot

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



53.6540, 78.3168, 101.0972



75.7196, 90.0680, 106.4964



37.6203, 71.9444, 14.8116



15.7147, 19.0255, 22.7242



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.



53.6540, 78.3168, 101.0972



52.7614, 78.3316, 100.9486



31.4431, 32.3806, 98.3619



18.5305, 20.4717, 23.0968



27.5111, 40.9011, 52.7043



2.6856, 3.9852, 5.1683



# Inverse Universe

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



42.6636, 23.5457, 5.9131



41.4085, 21.4603, 2.4077



51.5055, 41.4460, 8.1930



18.0309, 17.9957, 18.7801



21.5795, 11.1211, 1.1700

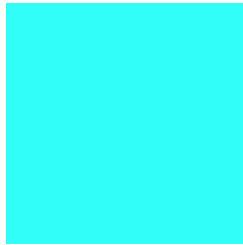


2.1084, 1.0857, 0.1520



# Previews

## White Background



This preview shows how the XYZ color 53.6517, 78.3139, 101.0953 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

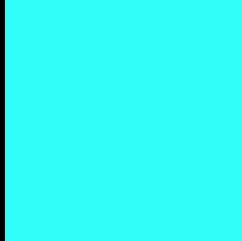
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6517, 78.3139, 101.0953 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 53.6517, 78.3139, 101.0953

## Background



This preview shows how black text looks on a background with the XYZ color 53.6517, 78.3139, 101.0953.



This preview shows how white text looks on a background with the XYZ color 53.6517, 78.3139,



# Color Blindness Simulation

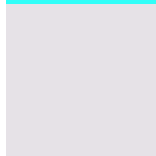
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



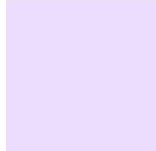
### Original Color

53.6517, 78.3139, 101.0953



### Protanopia

74.2533, 76.9852, 86.5474



### Deuteranopia

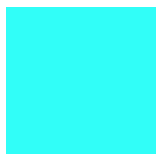
78.4985, 76.7658, 105.2877



## Tritanopia

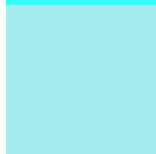
63.3197, 77.6928, 106.2667

# Trichromacy



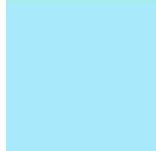
## Original Color

53.6517, 78.3139, 101.0953



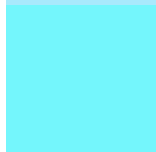
## Protanomaly

60.5914, 73.9978, 91.2103



## Deuteranomaly

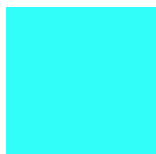
62.8580, 73.6309, 102.9947



## Tritanomaly

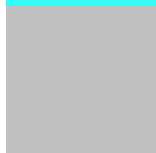
57.7289, 76.6528, 103.8483

# Monochromacy



## Original Color

53.6517, 78.3139, 101.0953



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

46.9993, 58.9298, 71.1848

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6517, 78.3139, 101.0953 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(49, 254, 248)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 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(49, 254, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6517, 78.3139, 101.0953 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(49, 254, 248) }
```



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

```
.border{ border-color:rgb(49, 254, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 254, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 248);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6517, 78.3139, 101.0953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 248) }
```

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

```
.background{ background-color: rgb(49, 254,  
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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