

# Converting Colors

XYZ(53.5191, 78.9491, 90.9937)

Have a look what the booklet for  
XYZ(53.5191, 78.9491, 90.9937)  
contains.

<b>XYZ(53.5030, 78.9346, 91.0133)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(53.5030, 78.9346,  
91.0133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49FFEB
RGB	73, 255, 235
RGB Percent	29%, 100%, 92%
CMY	0.7137, 0.0000, 0.0784
CMYK	0.71, 0.00, 0.08, 0.00
HSL	173°, 100%, 64%
HSV	173°, 71%, 100%
XYZ	53.5030, 78.9346, 91.0133
YIQ	198.3020, -102.0520, -44.8040

# Conversions

## Conversions Part 2

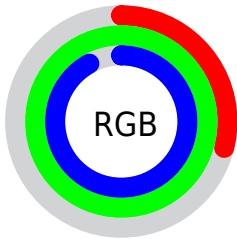
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 169, 255
Decimal	4849643
CIE <sub>Lab</sub>	91.20, -49.25, -3.56
CIE <sub>LCh</sub>	91, 49.377, 184.138
Yxy	78.9346, 0.2394, 0.3533
Android (android.graphics.Color)	4283039723 (0xFF49FFEB)
YUV	198.3020, 18.0921, -109.8899
Hunter-Lab	88.8451, -47.9854, 1.4547

# Details

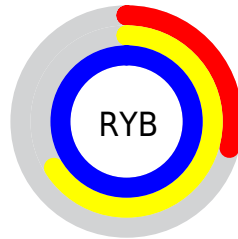
The XYZ color **53.5030, 78.9346, 91.0133** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.5993, 26.8168, 13.1305**, and the grayscale version is **53.7993, 56.6010, 61.6385**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **28.1029, 43.1872, 49.5026** is the 20% darker color. If you saturate the color by 10%, you get **51.5498, 77.9741, 88.8264**, and if you desaturate by 10%, it is **56.2560, 80.3066, 93.2737**.

# Distribution



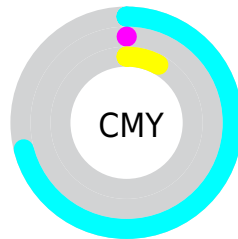
- Red (29%)
- Green (100%)
- Blue (92%)



- Red (29%)
- Yellow (66%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5030, 78.9346, 91.0133 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 53.5030, 78.9346, 91.0133 by changing the saturation by 10% instead.





 53.5030, 78.9346,  
91.0133


 53.5030, 78.9346,  
91.0133


390.4413,  
491.3351, 551.9765


 38.4336, 58.8420,  
68.2429


 94.5053, 131.8668,  
150.6929

 26.4981, 42.4860,  
49.6275


 121.1688,  
165.4752, 188.4392

 17.3313, 29.4820,  
34.7484


 152.4278,  
204.3577, 232.0146

 10.5677, 19.4458,  
23.1871

 188.6476,  
248.8987, 281.8376

 5.8421, 11.9928,  
14.5251

230.1934,  
299.4825, 338.3268

 2.7891, 6.7388,  
8.3439

277.4308,

 1.0432, 3.2993,

356.4936, 401.9006

4.2249

330.7249,  
420.3163, 472.9777

■ 0.0000, 1.2899,  
1.7495

■ 0.0000, 0.1334,  
0.3943

■ 53.5030, 78.9346,  
91.0133

■ 53.5030, 78.9346,  
91.0133

■ 51.5498, 77.9741,  
88.8264

■ 56.2560, 80.3066,  
93.2737


■ 50.2896, 77.3701,  
86.7036


■ 59.8919, 82.1331,  
95.6076


■ 49.6223, 77.0649,  
84.9177


■ 64.4870, 84.4533,  
98.0198

■ 70.1082, 87.3018,  
100.5139

 76.8165, 90.7099,  
103.0927

 84.6683, 94.7068,  
105.7590

 93.7157, 99.3193,  
108.5155

 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



55.3975, 78.9346, 59.2665



53.5030, 78.9346, 91.0133



56.8275, 78.9346, 130.6848

# Triad

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



53.5030, 78.9346, 91.0133



89.3474, 78.9346, 156.4903



86.0123, 78.9346, 37.6713

# Complementary

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



53.5030, 78.9346, 91.0133



45.5993, 26.8168, 13.1305

# 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.



96.7436, 78.9346, 52.7976



53.5030, 78.9346, 91.0133



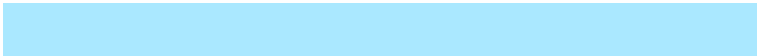
98.8143, 78.9346, 119.6282

# Square

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



53.5030, 78.9346, 91.0133



76.7739, 78.9346, 174.5751



101.6600, 78.9346, 81.0711



73.3028, 78.9346, 33.9260



# Rectangle

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



53.5030, 78.9346, 91.0133



61.7991, 78.9346, 154.7250



101.6600, 78.9346, 81.0711



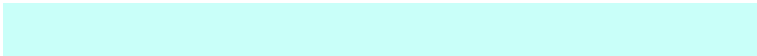
90.0148, 78.9346, 41.3380

# Sweetspot

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



53.5040, 78.9351, 91.0148



77.0855, 90.8467, 103.1895



41.6038, 74.3936, 18.4716



16.0765, 19.2299, 21.9323



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.



53.5040, 78.9351, 91.0148



50.8871, 77.6537, 87.8355



38.1969, 43.4340, 100.9781



18.4638, 20.4450, 22.7453



25.9633, 40.2819, 44.5534



2.5515, 3.9315, 4.4620



# Inverse Universe

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



45.5993, 26.8168, 13.1305



42.6721, 22.8278, 6.4041



52.2312, 41.3178, 11.5272



18.0905, 18.0195, 19.0937



21.6843, 11.1630, 1.7220

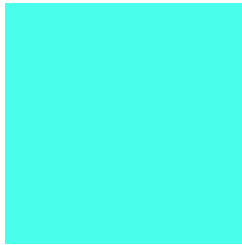


2.1365, 1.0970, 0.3003



# Previews

## White Background



This preview shows how the XYZ color 53.5030, 78.9346, 91.0133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

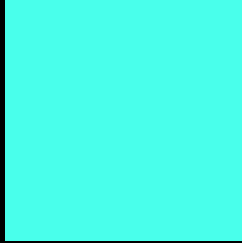
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5030, 78.9346, 91.0133 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

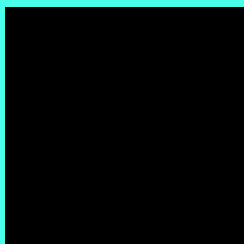
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

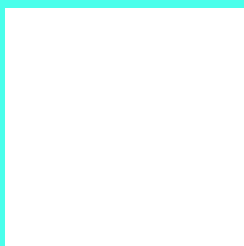
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.5030, 78.9346, 91.0133**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5030, 78.9346, 91.0133.



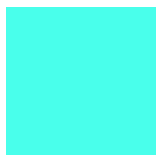
This preview shows how white text looks on a background with the XYZ color 53.5030, 78.9346,



# Color Blindness Simulation

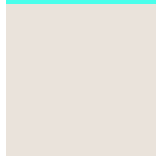
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



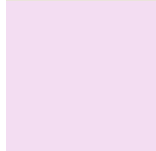
### Original Color

53.5030, 78.9346, 91.0133



### Protanopia

74.1870, 77.5451, 78.0755



### Deuteranopia

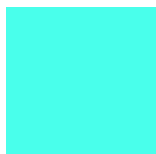
78.8456, 77.1784, 94.7457



## Tritanopia

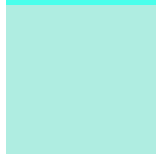
64.5001, 78.3013, 106.3219

# Trichromacy



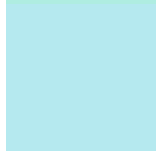
## Original Color

53.5030, 78.9346, 91.0133



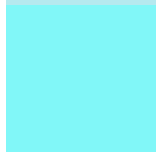
## Protanomaly

61.5540, 75.1186, 82.4893



## Deuteranomaly

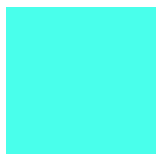
63.7750, 74.3336, 92.6479



## Tritanomaly

59.2573, 77.9660, 100.7327

# Monochromacy



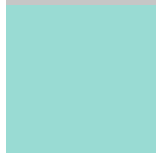
## Original Color

53.5030, 78.9346, 91.0133



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

50.2263, 62.1385, 70.9747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5030, 78.9346, 91.0133 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(73, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 235)  
}
```

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(73, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5030, 78.9346, 91.0133 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(73, 255, 235) }
```



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

```
.border{ border-color:rgb(73, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5030, 78.9346, 91.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 235) }
```

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

```
.background{ background-color: rgb(73, 255,  
235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor