

# Converting Colors

XYZ(53.0693, 78.9225, 81.4399)

Have a look what the booklet for  
XYZ(53.0693, 78.9225, 81.4399)  
contains.

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# Color

**XYZ(53.0646, 78.9178,  
81.5431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59FFDE
RGB	89, 255, 222
RGB Percent	35%, 100%, 87%
CMY	0.6510, 0.0000, 0.1294
CMYK	0.65, 0.00, 0.13, 0.00
HSL	168°, 100%, 67%
HSV	168°, 65%, 100%
XYZ	53.0646, 78.9178, 81.5431
YIQ	201.6040, -88.3430, -45.4550

# Conversions

## Conversions Part 2

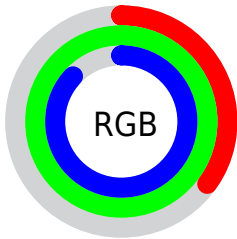
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 181, 255
Decimal	5898206
CIELab	91.20, -50.35, 3.20
CIELCh	91, 50.447, 176.364
Yxy	78.9178, 0.2485, 0.3696
Android (android.graphics.Color)	4284088286 (0xFF59FFDE)
YUV	201.6040, 10.0552, -98.7537
Hunter-Lab	88.8357, -48.8383, 7.7621

# Details

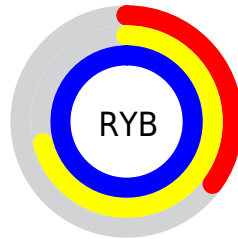
The XYZ color **53.0646, 78.9178, 81.5431** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.3260, 29.8110, 21.6208**, and the grayscale version is **55.8718, 58.7815, 64.0130**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **26.9413, 42.7225, 43.3855** is the 20% darker color. If you saturate the color by 10%, you get **50.3580, 77.5998, 77.9239**, and if you desaturate by 10%, it is **56.6404, 80.6814, 85.3123**.

# Distribution



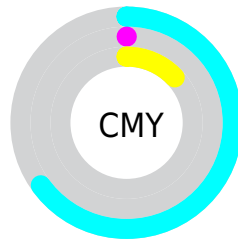
- Red (35%)
- Green (100%)
- Blue (87%)



- Red (35%)
- Yellow (71%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0646, 78.9178, 81.5431 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 53.0646, 78.9178, 81.5431 by changing the saturation by 10% instead.





 53.0646, 78.9178,  
81.5431


 53.0646, 78.9178,  
81.5431


388.7897,  
491.2782, 519.9614


 38.0820, 58.8282,  
60.4554


 93.8644, 131.8431,  
137.3640


 26.2239, 42.4749,  
43.3581


 120.4123,  
165.4477, 172.9343

 17.1247, 29.4733,  
29.8327


 151.5461,  
204.3260, 214.1692

 10.4193, 19.4392,  
19.4607

 187.6310,  
248.8625, 261.4872

 5.7422, 11.9880,  
11.8234

229.0325,  
299.4416, 315.3068

 2.7282, 6.7355,  
6.5025

276.1159,

 1.0117, 3.2973,

356.4477, 376.0467

3.0793

329.2465,  
420.2651, 444.1254

■ 0.0000, 1.2888,  
1.1353

■ 0.0000, 0.1325,  
0.0000

■ 53.0646, 78.9178,  
81.5431

■ 53.0646, 78.9178,  
81.5431

■ 50.3580, 77.5998,  
77.9239

■ 56.6404, 80.6814,  
85.3123

■ 48.4260, 76.6788,  
74.4454

■ 61.1617, 82.9302,  
89.2320

■ 47.1562, 76.0968,  
71.1026

■ 66.6992, 85.7004,  
93.3077

■ 46.6961, 75.8944,  
69.5088

■ 73.3163, 89.0247,  
97.5433

■ 81.0709, 92.9330,  
101.9423

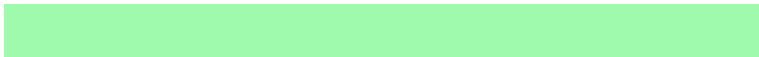
■ 90.0169, 97.4531,  
106.5082

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.



56.3570, 78.9178, 52.5494



53.0646, 78.9178, 81.5431



55.0792, 78.9178, 121.1147

# Triad

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



53.0646, 78.9178, 81.5431



86.4568, 78.9178, 165.6464



89.4573, 78.9178, 39.6506

# Complementary

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



53.0646, 78.9178, 81.5431



48.3260, 29.8110, 21.6208

# 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.



99.2456, 78.9178, 58.3162



53.0646, 78.9178, 81.5431



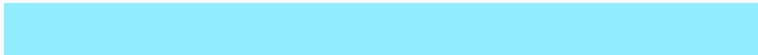
97.3798, 78.9178, 131.0917

# Square

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



53.0646, 78.9178, 81.5431



73.4618, 78.9178, 177.0134



102.2966, 78.9178, 90.4675



76.5777, 78.9178, 33.0988



# Rectangle

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



53.0646, 78.9178, 81.5431



59.3003, 78.9178, 147.5743



102.2966, 78.9178, 90.4675



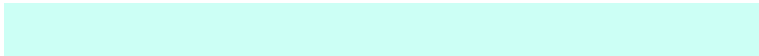
93.2723, 78.9178, 44.4014

# Sweetspot

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



53.0655, 78.9182, 81.5445



77.1222, 90.9415, 99.7642



45.6185, 76.3939, 21.7937



16.0501, 19.2348, 21.0903



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.



53.0655, 78.9182, 81.5445



49.7215, 77.2936, 76.8992



44.0501, 53.1034, 102.5360



18.3910, 20.4159, 22.3618



24.4543, 39.6783, 36.6070



2.4186, 3.8784, 3.7620



# Inverse Universe

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



48.3260, 29.8110, 21.6208



44.7538, 24.9360, 13.4338



52.2477, 40.3900, 14.4948



18.1570, 18.0461, 19.4438



21.8989, 11.2489, 2.8524

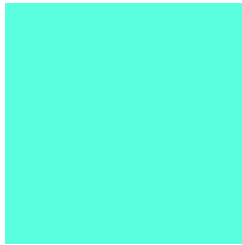


2.1687, 1.1098, 0.4697



# Previews

## White Background



This preview shows how the XYZ color 53.0646, 78.9178, 81.5431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

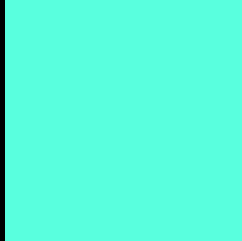
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0646, 78.9178, 81.5431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

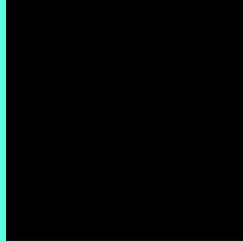
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.0646, 78.9178, 81.5431

## Background



This preview shows how black text looks on a background with the XYZ color 53.0646, 78.9178, 81.5431.



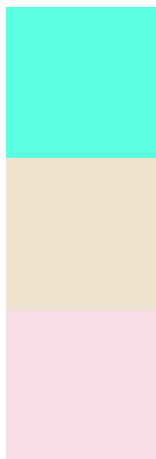
This preview shows how white text looks on a background with the XYZ color 53.0646, 78.9178,



# 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

53.0646, 78.9178, 81.5431

### Protanopia

73.6566, 77.4477, 70.0983

### Deuteranopia

79.0662, 77.5098, 84.9224



## Tritanopia

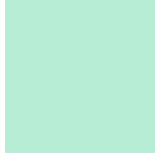
64.8151, 78.0231, 106.2516

# Trichromacy



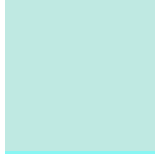
## Original Color

53.0646, 78.9178, 81.5431



## Protanomaly

61.6963, 75.3891, 73.5872



## Deuteranomaly

64.3522, 74.8452, 83.0063



## Tritanomaly

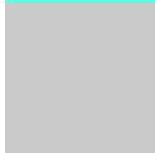
59.4500, 77.7010, 96.6585

# Monochromacy



## Original Color

53.0646, 78.9178, 81.5431



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

52.0630, 63.8934, 69.9103

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0646, 78.9178, 81.5431 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(89, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 222)  
}
```

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(89, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0646, 78.9178, 81.5431 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(89, 255, 222) }
```



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

```
.border{ border-color:rgb(89, 255, 222) }
```

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

Here you see how a box with a 4 pixel rgb(89, 255, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0646, 78.9178, 81.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 222) }
```

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

```
.background{ background-color: rgb(89, 255,  
222) }
```

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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