

# Converting Colors

XYZ(53.2797, 74.1104, 74.2025)

Have a look what the booklet for  
XYZ(53.2797, 74.1104, 74.2025)  
contains.

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# Color

**XYZ(53.2630, 74.0947,  
74.4452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F4D5
RGB	128, 244, 213
RGB Percent	50%, 96%, 84%
CMY	0.4980, 0.0431, 0.1647
CMYK	0.48, 0.00, 0.13, 0.04
HSL	164°, 84%, 73%
HSV	164°, 48%, 96%
XYZ	53.2630, 74.0947, 74.4452
YIQ	205.7820, -59.1850, -34.2330

# Conversions

## Conversions Part 2

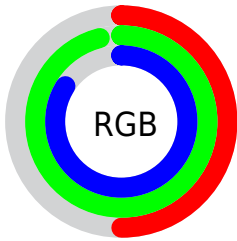
Format	Color
<a href="#">RYB</a>	<a href="#">128, 195, 244</a>
Decimal	<a href="#">8451285</a>
CIELab	<a href="#">88.97, -40.22, 4.78</a>
CIELCh	<a href="#">89, 40.505, 173.216</a>
Yxy	<a href="#">74.0947, 0.2639, 0.3672</a>
Android (android.graphics.Color)	<a href="#">4286641365</a> ( <a href="#">0xFF80F4D5</a> )
YUV	<a href="#">205.7820, 3.5585, -68.2148</a>
Hunter-Lab	<a href="#">86.0783, -40.1858, 8.9776</a>

# Details

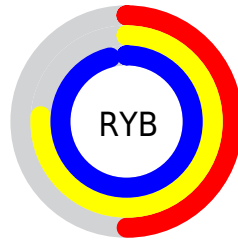
The XYZ color **53.2630, 74.0947, 74.4452** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.2879, 37.1765, 37.2763**, and the grayscale version is **58.5336, 61.5819, 67.0627**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **26.2566, 39.2026, 38.5307** is the 20% darker color. If you saturate the color by 10%, you get **49.2140, 72.1030, 70.0225**, and if you desaturate by 10%, it is **58.2318, 76.5605, 79.0880**.

# Distribution



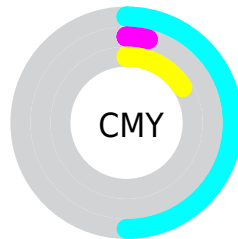
- Red (50%)
- Green (96%)
- Blue (84%)



- Red (50%)
- Yellow (76%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)




- Cyan (50%)
- Magenta (4%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2630, 74.0947, 74.4452 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 53.2630, 74.0947, 74.4452 by changing the saturation by 10% instead.





 53.2630, 74.0947,  
74.4452


 53.2630, 74.0947,  
74.4452


389.5377,  
474.8001, 495.2129


 38.2411, 54.8716,  
54.6595


 94.1545, 125.0300,  
127.2666

 26.3479, 39.2989,  
38.7324


 120.7548,  
157.5110, 161.1393

 17.2181, 26.9923,  
26.2454


 151.9453,  
195.1801, 200.5449

 10.4864, 17.5675,  
16.7799

188.0913,  
238.4216, 245.9017

 5.7874, 10.6399,  
9.9174

229.5582,  
287.6200, 297.6284

 2.7556, 5.8252,  
5.2393

276.7113,

 1.0259, 2.7391,

343.1596, 356.1434

2.3272

329.9160,  
405.4248, 421.8655

■ 0.0000, 0.9971,  
0.7464

■ 0.0000, 0.0000,  
0.0000

■ 53.2630, 74.0947,  
74.4452

■ 53.2630, 74.0947,  
74.4452

■ 49.2140, 72.1030,  
70.0225

■ 58.2318, 76.5605,  
79.0880

■ 46.0139, 70.5432,  
65.8096


■ 64.1725, 79.5216,  
83.9504


■ 43.5913, 69.3805,  
61.8029


■ 71.1405, 83.0083,  
89.0386


■ 41.8599, 68.5704,  
57.9961


■ 79.1852, 87.0461,  
94.3568

 40.7057, 68.0541,  
54.3818

 88.3529, 91.6588,  
99.9091

 40.4676, 67.9502,  
53.5202

 91.1832, 93.0005,  
105.3482

 91.6420, 93.1840,  
107.7640

# Harmonies

## Analogous

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



56.3365, 74.0947, 52.3927



53.2630, 74.0947, 74.4452



54.4329, 74.0947, 103.9693

# Triad

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



53.2630, 74.0947, 74.4452



78.1470, 74.0947, 141.4018



82.3688, 74.0947, 44.6043

# Complementary

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



53.2630, 74.0947, 74.4452



51.2879, 37.1765, 37.2763

# 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.



89.2771, 74.0947, 61.1517



53.2630, 74.0947, 74.4452



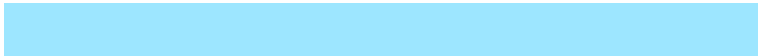
86.6854, 74.0947, 117.6548

# Square

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



53.2630, 74.0947, 74.4452



68.2140, 74.0947, 147.3071



90.9260, 74.0947, 87.2462



72.6829, 74.0947, 37.9553



# Rectangle

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



53.2630, 74.0947, 74.4452



57.5201, 74.0947, 123.7441



90.9260, 74.0947, 87.2462



85.1282, 74.0947, 48.9783

# Sweetspot

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



53.2651, 74.0977, 74.4469



81.6153, 93.2473, 100.4508



50.9203, 73.8262, 31.9894



17.0719, 19.7596, 21.2315



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.



53.2651, 74.0977, 74.4469



54.5615, 79.7784, 77.5930



50.5302, 61.7171, 94.8408



16.7966, 18.6778, 20.2132



22.0629, 36.9700, 29.4147



1.9816, 3.2663, 2.8091



# Inverse Universe

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



51.2879, 37.1765, 37.2763



52.1629, 34.4904, 32.1315



52.6199, 43.6198, 26.0694



16.6810, 16.5552, 18.0667



20.8565, 10.6860, 3.9528

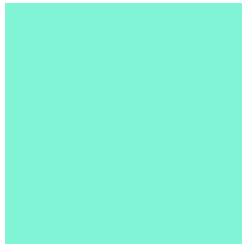


1.8741, 0.9556, 0.5632



# Previews

## White Background



This preview shows how the XYZ color 53.2630, 74.0947, 74.4452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

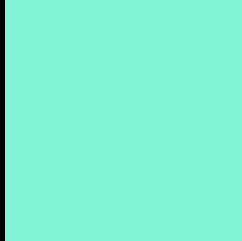
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2630, 74.0947, 74.4452 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

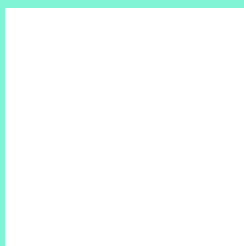
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.2630, 74.0947, 74.4452**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2630, 74.0947, 74.4452.



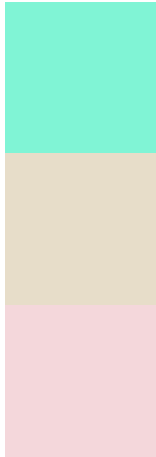
This preview shows how white text looks on a background with the XYZ color 53.2630, 74.0947,



# 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

53.2630, 74.0947, 74.4452

### Protanopia

69.3541, 72.9189, 65.6777

### Deuteranopia

74.3948, 72.9484, 77.1773



## Tritanopia

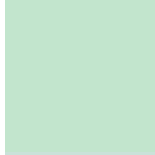
60.3668, 73.9914, 105.7078

# Trichromacy



## Original Color

53.2630, 74.0947, 74.4452



## Protanomaly

61.2869, 71.9157, 68.4086



## Deuteranomaly

64.0779, 71.9590, 76.1579



## Tritanomaly

57.7035, 74.1869, 93.7163

# Monochromacy



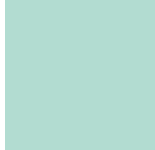
## Original Color

53.2630, 74.0947, 74.4452



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.4619, 65.2548, 69.9939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2630, 74.0947, 74.4452 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(128, 244, 213)` looks like.

```
.text, #text, p{  
    color:rgb(128, 244, 213)  
}
```

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(128, 244, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 244, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2630, 74.0947, 74.4452 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(128, 244, 213) }
```



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

```
.border{ border-color:rgb(128, 244, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 244, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 244, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 244, 213);  
box-shadow:4px 4px 4px 4px rgb(128, 244,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2630, 74.0947, 74.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 244, 213) }
```

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

```
.background{ background-color: rgb(128,  
244, 213) }
```

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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