

# Converting Colors

XYZ(52.9484, 73.4400, 72.1951)

Have a look what the booklet for  
XYZ(52.9484, 73.4400, 72.1951)  
contains.

<b>XYZ(53.0435, 73.5796, 72.3794)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(53.0435, 73.5796,  
72.3794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F3D2
RGB	131, 243, 210
RGB Percent	51%, 95%, 82%
CMY	0.4863, 0.0470, 0.1765
CMYK	0.46, 0.00, 0.14, 0.05
HSL	162°, 82%, 73%
HSV	162°, 46%, 95%
XYZ	53.0435, 73.5796, 72.3794
YIQ	205.7500, -56.1590, -34.0070

# Conversions

## Conversions Part 2

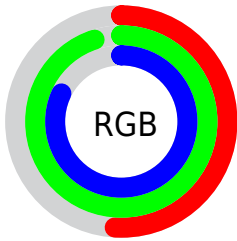
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 197, 243
Decimal	8647634
CIE <sub>Lab</sub>	88.72, -39.74, 6.01
CIE <sub>LCh</sub>	89, 40.190, 171.400
Yxy	73.5796, 0.2665, 0.3697
Android (android.graphics.Color)	4286837714 (0xFF83F3D2)
YUV	205.7500, 2.0953, -65.5558
Hunter-Lab	85.7786, -39.7321, 10.0165

# Details

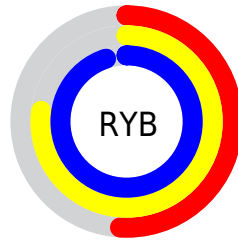
The XYZ color **53.0435, 73.5796, 72.3794** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.7817, 37.9695, 39.7243**, and the grayscale version is **58.5208, 61.5684, 67.0480**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **26.2321, 38.8958, 37.5776** is the 20% darker color. If you saturate the color by 10%, you get **48.8402, 71.5154, 67.6307**, and if you desaturate by 10%, it is **58.1733, 76.1206, 77.3831**.

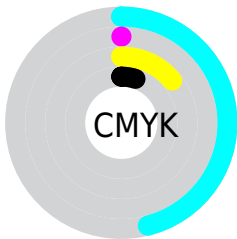
# Distribution



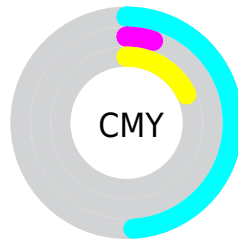
- Red (51%)
- Green (95%)
- Blue (82%)



- Red (51%)
- Yellow (77%)
- Blue (95%)



- Cyan (46%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)




- Cyan (49%)
- Magenta (5%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0435, 73.5796, 72.3794 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 53.0435, 73.5796, 72.3794 by changing the saturation by 10% instead.





 53.0435, 73.5796,  
72.3794


 53.0435, 73.5796,  
72.3794


388.7101,  
473.0212, 487.8741


 38.0651, 54.4500,  
52.9799


 93.8335, 124.2997,  
124.3085

 26.2107, 38.9616,  
37.3991


 120.3759,  
156.6590, 157.6753

 17.1148, 26.7298,  
25.2185


 151.5036,  
194.1970, 196.5348

 10.4122, 17.3704,  
16.0194

187.5820,  
237.2980, 241.3058

 5.7375, 10.4989,  
9.3834

228.9766,  
286.3466, 292.4066

 2.7252, 5.7310,  
4.8919

276.0525,

 1.0102, 2.6822,

341.7271, 350.2559

2.1263

329.1752,  
403.8238, 415.2722

■ 0.0000, 0.9682,  
0.6314

■ 0.0000, 0.0000,  
0.0000

■ 53.0435, 73.5796,  
72.3794

■ 53.0435, 73.5796,  
72.3794

■ 48.8402, 71.5154,  
67.6307

■ 58.1733, 76.1206,  
77.3831

■ 45.4942, 69.8867,  
63.1262


■ 64.2806, 79.1589,  
82.6420


■ 42.9361, 68.6597,  
58.8615


■ 71.4197, 82.7245,  
88.1628


■ 41.0826, 67.7915,  
54.8300

■ 79.6392, 86.8422,  
93.9503

 39.8303, 67.2289,  
51.0239

 88.9845, 91.5355,  
100.0092

 39.4408, 67.0593,  
49.5935

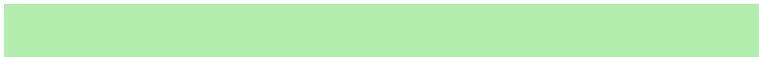
 91.0158, 92.4533,  
105.9469

 91.3419, 92.5837,  
107.6640

# Harmonies

## Analogous

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



56.3286, 73.5796, 51.1598



53.0435, 73.5796, 72.3794



53.9450, 73.5796, 101.2645

# Triad

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



53.0435, 73.5796, 72.3794



76.9750, 73.5796, 140.9609



82.2485, 73.5796, 45.1571

# Complementary

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



53.0435, 73.5796, 72.3794



51.7817, 37.9695, 39.7243

# 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.



88.8088, 73.5796, 62.1377



53.0435, 73.5796, 72.3794



85.5734, 73.5796, 118.3412

# Square

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



53.0435, 73.5796, 72.3794



67.1790, 73.5796, 145.5081



90.0789, 73.5796, 88.3845



72.7658, 73.5796, 38.0067



# Rectangle

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



53.0435, 73.5796, 72.3794



56.8382, 73.5796, 120.9581



90.0789, 73.5796, 88.3845



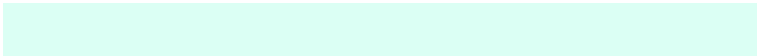
84.9038, 73.5796, 49.6888

# Sweetspot

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



53.0456, 73.5825, 72.3811



81.4660, 93.1875, 99.6643



51.5836, 73.6994, 32.9806



17.0353, 19.7449, 21.0389



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.



53.0456, 73.5825, 72.3811



54.8934, 79.9863, 75.9458



51.2909, 62.8010, 94.2159



16.7765, 18.6697, 20.1072



21.7075, 36.8279, 27.5435



1.9527, 3.2547, 2.6570



# Inverse Universe

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



51.7817, 37.9695, 39.7243



53.3495, 35.8674, 35.5976



52.5180, 43.6090, 27.1233



16.7000, 16.5629, 18.1668



20.9722, 10.7323, 4.5619

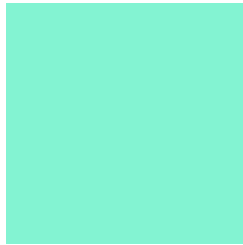


1.8864, 0.9605, 0.6279



# Previews

## White Background



This preview shows how the XYZ color 53.0435, 73.5796, 72.3794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

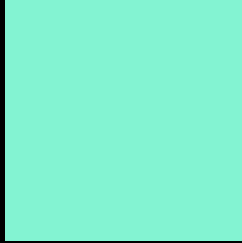
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0435, 73.5796, 72.3794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

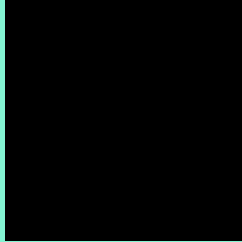
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.0435, 73.5796, 72.3794

## Background



This preview shows how black text looks on a background with the XYZ color 53.0435, 73.5796, 72.3794.



This preview shows how white text looks on a background with the XYZ color 53.0435, 73.5796,

72.3794.

# 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

53.0435, 73.5796, 72.3794

### Protanopia

69.0045, 72.7790, 63.8369

### Deuteranopia

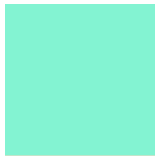
74.0974, 72.4635, 75.0472



## Tritanopia

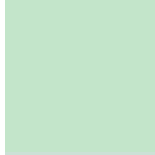
59.8995, 73.3219, 105.6032

# Trichromacy



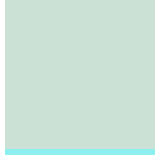
## Original Color

53.0435, 73.5796, 72.3794



## Protanomaly

61.1857, 71.9050, 66.5313



## Deuteranomaly

63.9647, 71.5428, 74.0562



## Tritanomaly

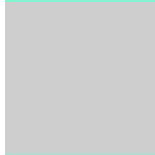
57.4310, 73.6277, 92.8460

# Monochromacy



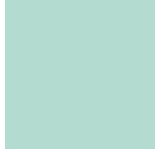
## Original Color

53.0435, 73.5796, 72.3794



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.1844, 64.7517, 68.6213

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0435, 73.5796, 72.3794 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(131, 243, 210)` looks like.

```
.text, #text, p{  
    color:rgb(131, 243, 210)  
}
```

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(131, 243, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 243, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0435, 73.5796, 72.3794 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(131, 243, 210) }
```



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

```
.border{ border-color:rgb(131, 243, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 243, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 243, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 243, 210);  
box-shadow:4px 4px 4px 4px rgb(131, 243,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0435, 73.5796, 72.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 243, 210) }
```

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

```
.background{ background-color: rgb(131,  
243, 210) }
```

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