

# Converting Colors

XYZ(43.1921, 74.6505, 43.9314)

Have a look what the booklet for  
XYZ(43.1921, 74.6505, 43.9314)  
contains.

<b>XYZ(43.2110, 74.6581, 44.0313)</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(43.2110, 74.6581,  
44.0313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF9D
RGB	51, 255, 157
RGB Percent	20%, 100%, 62%
CMY	0.8000, 0.0000, 0.3843
CMYK	0.80, 0.00, 0.38, 0.00
HSL	151°, 100%, 60%
HSV	151°, 80%, 100%
XYZ	43.2110, 74.6581, 44.0313
YIQ	182.8320, -90.1260, -73.7260

# Conversions

## Conversions Part 2

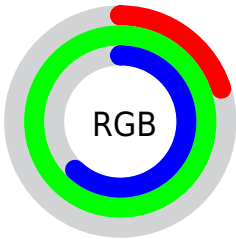
Format	Color
<a href="#">RYB</a>	<a href="#">51, 185, 255</a>
Decimal	<a href="#">3407773</a>
CIELab	<a href="#">89.23, -69.13, 33.54</a>
CIELCh	<a href="#">89, 76.831, 154.119</a>
Yxy	<a href="#">74.6581, 0.2669, 0.4611</a>
Android (android.graphics.Color)	<a href="#">4281597853 (0xFF33FF9D)</a>
YUV	<a href="#">182.8320, -12.7352, -115.6167</a>
Hunter-Lab	<a href="#">86.4049, -61.9410, 30.2697</a>

# Details

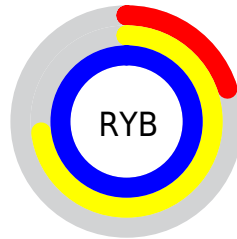
The XYZ color **43.2110, 74.6581, 44.0313** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **47.8491, 25.7981, 30.8924**, and the grayscale version is **45.0212, 47.3658, 51.5813**.

A 20% lighter version of the original color is **56.8496, 81.0193, 74.9294**, and **22.5161, 40.9524, 20.0825** is the 20% darker color. If you saturate the color by 10%, you get **41.2653, 73.7699, 38.7524**, and if you desaturate by 10%, it is **45.9660, 75.9514, 49.8981**.

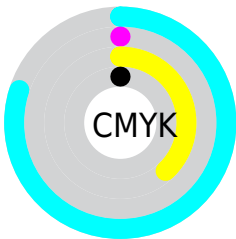
# Distribution



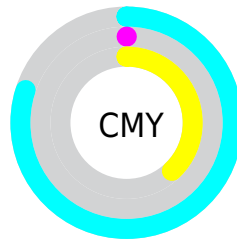
- Red (20%)
- Green (100%)
- Blue (62%)



- Red (20%)
- Yellow (73%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2110, 74.6581, 44.0313 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 43.2110, 74.6581, 44.0313 by changing the saturation by 10% instead.





 43.2110, 74.6581,  
44.0313


 43.2110, 74.6581,  
44.0313


350.3856,  
476.7416, 378.8811


 30.2459, 55.3328,  
30.3577


 79.2829, 125.8283,  
82.5678

 20.1743, 39.6683,  
19.8559


 103.1205,  
158.4420, 108.2679

 12.6308, 27.2800,  
12.1073


 131.3129,  
196.2539, 138.8138

 7.2501, 17.7836,  
6.6934

 164.2255,  
239.6486, 174.6242

 3.6667, 10.7947,  
3.1956

202.2238,  
289.0102, 216.1176

 1.5154, 5.9290,  
1.1953

245.6730,

 0.3362, 2.8019,

344.7234, 263.7125

0.0000

294.9385,  
407.1724, 317.8275

■ 0.0000, 1.0292,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 43.2110, 74.6581,  
44.0313

■ 43.2110, 74.6581,  
44.0313

■ 41.2653, 73.7699,  
38.7524

■ 45.9660, 75.9514,  
49.8981

■ 39.9594, 73.1998,  
34.0335

■ 49.6323, 77.7020,  
56.3691

■ 39.9592, 73.1997,  
34.0326

■ 54.2977, 79.9549,  
63.4645

■ 60.0388, 82.7492,  
71.2020

66.9243, 86.1201,  
79.5987

75.0169, 90.0996,  
88.6707

84.3749, 94.7174,  
98.4335

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.



52.5952, 74.6581, 22.2652



43.2110, 74.6581, 44.0313



40.7287, 74.6581, 88.9356

# Triad

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



43.2110, 74.6581, 44.0313



73.5820, 74.6581, 233.9232



105.1942, 74.6581, 36.0340

# Complementary

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



43.2110, 74.6581, 44.0313



47.8491, 25.7981, 30.8924

# 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.



113.3444, 74.6581, 74.0956



43.2110, 74.6581, 44.0313



93.1687, 74.6581, 200.2588

# Square

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



43.2110, 74.6581, 44.0313



56.3556, 74.6581, 214.0960



108.5977, 74.6581, 135.2132



87.8925, 74.6581, 19.2810



# Rectangle

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



43.2110, 74.6581, 44.0313



42.8752, 74.6581, 131.2128



108.5977, 74.6581, 135.2132



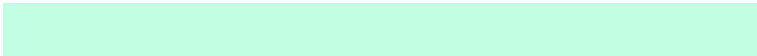
109.2212, 74.6581, 45.9716

# Sweetspot

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



43.2116, 74.6584, 44.0326



71.6295, 88.4319, 84.9579



48.8624, 78.2055, 15.6524



14.7220, 18.6284, 17.4967



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.



43.2116, 74.6584, 44.0326



40.4318, 73.4035, 35.8550



54.1005, 77.2938, 106.6756



18.1657, 20.3258, 21.1758



20.9555, 38.2788, 18.1827



2.0956, 3.7492, 2.0613



# Inverse Universe

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



47.8491, 25.7981, 30.8924



45.2338, 23.0347, 22.4151



43.1758, 24.1753, 5.5233



18.3728, 18.1325, 20.5805



23.4751, 11.8793, 11.1522

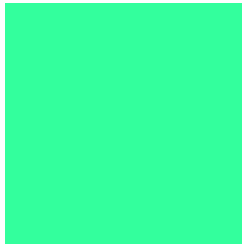


2.3405, 1.1786, 1.3747



# Previews

## White Background



This preview shows how the XYZ color 43.2110, 74.6581, 44.0313 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 43.2110, 74.6581, 44.0313 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 43.2110, 74.6581, 44.0313**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2110, 74.6581, 44.0313.



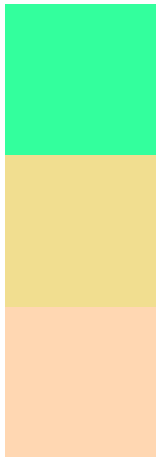
This preview shows how white text looks on a background with the XYZ color 43.2110, 74.6581,



# 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

43.2110, 74.6581, 44.0313

### Protanopia

67.4309, 72.9569, 36.9137

### Deuteranopia

73.5763, 73.0752, 52.3465



## Tritanopia

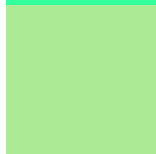
59.0698, 74.1872, 105.8140

# Trichromacy



## Original Color

43.2110, 74.6581, 44.0313



## Protanomaly

51.8609, 69.7862, 39.1705



## Deuteranomaly

54.6086, 69.3197, 48.5321



## Tritanomaly

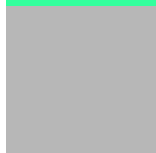
51.2643, 73.4225, 78.4879

# Monochromacy



## Original Color

43.2110, 74.6581, 44.0313



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

40.4321, 53.8078, 48.2993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2110, 74.6581, 44.0313 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(51, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 157)  
}
```

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(51, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2110, 74.6581, 44.0313 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(51, 255, 157) }
```



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

```
.border{ border-color:rgb(51, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2110, 74.6581, 44.0313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 157) }
```

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

```
.background{ background-color: rgb(51, 255,  
157) }
```

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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