

# Converting Colors

XYZ(44.7412, 75.1168, 59.0183)

Have a look what the booklet for  
XYZ(44.7412, 75.1168, 59.0183)  
contains.

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# Color

**XYZ(44.7672, 75.1272,  
59.1552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	03FFBB
RGB	3, 255, 187
RGB Percent	1%, 100%, 73%
CMY	0.9881, 0.0000, 0.2667
CMYK	0.99, 0.00, 0.27, 0.00
HSL	164°, 100%, 51%
HSV	164°, 99%, 100%
XYZ	44.7672, 75.1272, 59.1552
YIQ	171.9000, -128.3640, -74.5720

# Conversions

## Conversions Part 2

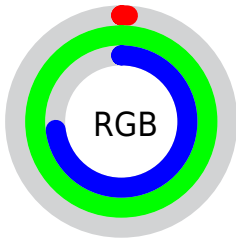
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	3, 149, 255
Decimal	262075
CIE <sub>Lab</sub>	89.45, -65.51, 18.62
CIE <sub>LCh</sub>	89, 68.107, 164.134
Yxy	75.1272, 0.2500, 0.4196
Android (android.graphics.Color)	4278452155 (0xFF03FFBB)
YUV	171.9000, 7.4443, -148.1253
Hunter-Lab	86.6759, -59.4896, 20.2085

# Details

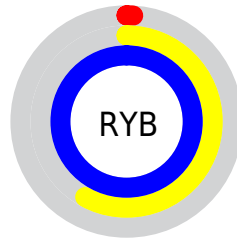
The XYZ color **44.7672, 75.1272, 59.1552** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **42.4115, 21.7814, 7.9365**, and the grayscale version is **39.1779, 41.2182, 44.8866**.

A 20% lighter version of the original color is **59.1401, 81.7041, 97.4475**, and **24.2693, 41.6537, 29.3151** is the 20% darker color. If you saturate the color by 10%, you get **44.6423, 75.0729, 58.6934**, and if you desaturate by 10%, it is **45.9784, 75.6644, 63.1521**.

# Distribution



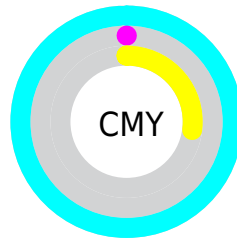
- Red (1%)
- Green (100%)
- Blue (73%)



- Red (1%)
- Yellow (58%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7672, 75.1272, 59.1552 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 44.7672, 75.1272, 59.1552 by changing the saturation by 10% instead.





 44.7672, 75.1272,  
59.1552


 44.7672, 75.1272,  
59.1552


356.6295,  
478.3547, 439.1947


 31.4746, 55.7171,  
42.3172


 81.6102, 126.4924,  
105.1345


 21.1141, 39.9762,  
29.0223


 105.8913,  
159.2163, 135.1130


 13.3204, 27.5200,  
18.8520


 134.5659,  
197.1469, 170.3087

 7.7280, 17.9641,  
11.3877

 167.9994,  
240.6687, 211.1402

 3.9718, 10.9242,  
6.2108

 206.5572,  
290.1659, 258.0260

 1.6862, 6.0159,  
2.9028

250.6045,

 0.4476, 2.8548,

346.0231, 311.3846

1.0452

300.5068,  
408.6245, 371.6347

■ 0.0000, 1.0564,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.7672, 75.1272,  
59.1552

■ 44.7672, 75.1272,  
59.1552

■ 44.6423, 75.0729,  
58.6934

■ 45.9784, 75.6644,  
63.1521

■ 47.7986, 76.5114,  
67.3630

■ 50.3714, 77.7423,  
71.7984

■ 53.7958, 79.4078,  
76.4654

■ 58.1550, 81.5511,  
81.3701

■ 63.5224, 84.2097,  
86.5184

■ 69.9636, 87.4175,  
91.9157

■ 77.5389, 91.2054,  
97.5668

■ 86.3036, 95.6020,  
103.4767

# Harmonies

## Analogous

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



51.3060, 75.1272, 31.9725



44.7672, 75.1272, 59.1552



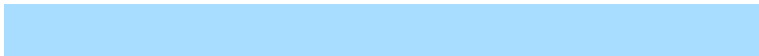
44.5835, 75.1272, 106.3644

# Triad

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



44.7672, 75.1272, 59.1552



79.5345, 75.1272, 207.2466



97.0095, 75.1272, 33.0342

# Complementary

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



44.7672, 75.1272, 59.1552



42.4115, 21.7814, 7.9365

# 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.



107.2742, 75.1272, 61.3438



44.7672, 75.1272, 59.1552



96.1704, 75.1272, 167.1047

# Square

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



44.7672, 75.1272, 59.1552



62.9856, 75.1272, 205.9131



106.9451, 75.1272, 109.5936



80.5457, 75.1272, 21.4111



# Rectangle

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



44.7672, 75.1272, 59.1552



47.9967, 75.1272, 144.9857



106.9451, 75.1272, 109.5936



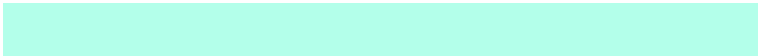
101.4058, 75.1272, 40.3008

# Sweetspot

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



44.7679, 75.1276, 59.1565



69.1373, 87.0051, 91.2590



38.6338, 72.9996, 12.1414



14.2001, 18.3246, 19.0423



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.



44.7679, 75.1276, 59.1565



44.6423, 75.0729, 58.6934



38.8371, 48.7377, 101.9681



18.3333, 20.3929, 22.0583



23.3922, 39.2535, 31.0144



2.3233, 3.8402, 3.2603



# Inverse Universe

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



42.4115, 21.7814, 7.9365



42.3085, 21.6874, 7.5569



42.7512, 24.2557, 2.5159



18.2107, 18.0676, 19.7267



22.1600, 11.3533, 4.2268

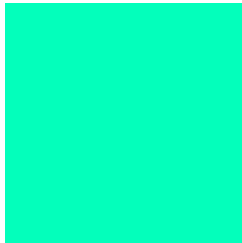


2.2009, 1.1227, 0.6395



# Previews

## White Background



This preview shows how the XYZ color 44.7672, 75.1272, 59.1552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

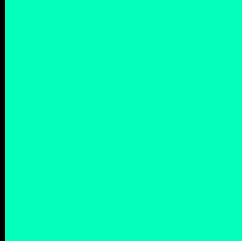
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7672, 75.1272, 59.1552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

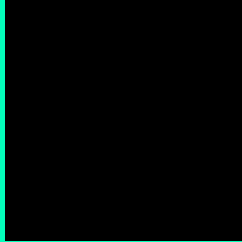
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 44.7672, 75.1272, 59.1552

## Background



This preview shows how black text looks on a background with the XYZ color 44.7672, 75.1272, 59.1552.



This preview shows how white text looks on a background with the XYZ color 44.7672, 75.1272, 59.1552.



# Color Blindness Simulation

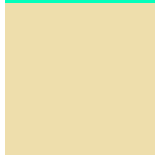
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

44.7672, 75.1272, 59.1552



### Protanopia

68.8276, 73.3983, 49.5694



### Deuteranopia

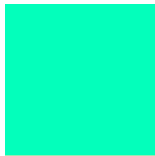
74.8834, 73.1495, 62.3970



## Tritanopia

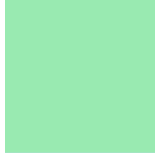
59.3634, 74.7744, 105.9119

# Trichromacy



## Original Color

44.7672, 75.1272, 59.1552



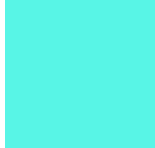
## Protanomaly

50.4955, 68.7923, 52.2118



## Deuteranomaly

52.7492, 67.6754, 60.7346



## Tritanomaly

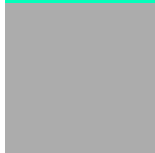
50.9598, 73.0927, 86.2853

# Monochromacy



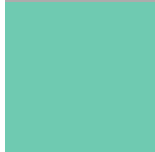
## Original Color

44.7672, 75.1272, 59.1552



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

35.6119, 48.7949, 49.1364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7672, 75.1272, 59.1552 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(3, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(3, 255, 187)  
}
```

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(3, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 255, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7672, 75.1272, 59.1552 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(3, 255, 187) }
```



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

```
.border{ border-color:rgb(3, 255, 187) }
```

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

Here you see how a box with a 4 pixel rgb(3, 255, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(3, 255,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7672, 75.1272, 59.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 255, 187) }
```

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

```
.background{ background-color: rgb(3, 255,  
187) }
```

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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