

# Converting Colors

XYZ(43.7666, 67.1553, 66.4510)

Have a look what the booklet for  
XYZ(43.7666, 67.1553, 66.4510)  
contains.

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# Color

**XYZ(43.7739, 67.1555,  
66.5323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42EFCA
RGB	66, 239, 202
RGB Percent	26%, 94%, 79%
CMY	0.7411, 0.0627, 0.2078
CMYK	0.72, 0.00, 0.15, 0.06
HSL	167°, 84%, 60%
HSV	167°, 72%, 94%
XYZ	43.7739, 67.1555, 66.5323
YIQ	183.0550, -91.2310, -48.1830

# Conversions

## Conversions Part 2

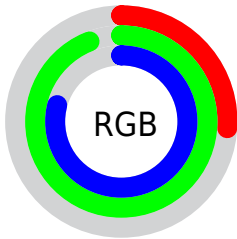
Format	Color
<a href="#">RYB</a>	<a href="#">66, 163, 239</a>
Decimal	<a href="#">4386762</a>
CIELab	<a href="#">85.58, -51.73, 5.43</a>
CIElCh	<a href="#">86, 52.013, 174.011</a>
Yxy	<a href="#">67.1555, 0.2467, 0.3784</a>
Android (android.graphics.Color)	<a href="#">4282576842 (0xFF42EFCA)</a>
YUV	<a href="#">183.0550, 9.3399, -102.6572</a>
Hunter-Lab	<a href="#">81.9485, -48.0616, 9.2276</a>

# Details

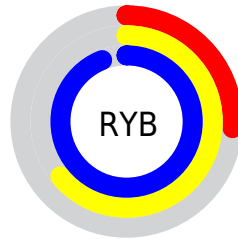
The XYZ color **43.7739, 67.1555, 66.5323** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.9952, 23.2282, 15.2100**, and the grayscale version is **45.0282, 47.3732, 51.5894**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **22.0732, 35.5940, 33.7239** is the 20% darker color. If you saturate the color by 10%, you get **41.8923, 66.2559, 63.3379**, and if you desaturate by 10%, it is **46.3515, 68.4149, 69.8669**.

# Distribution



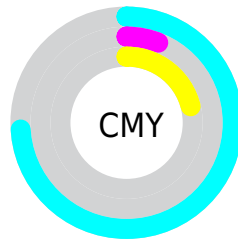
- Red (26%)
- Green (94%)
- Blue (79%)



- Red (26%)
- Yellow (64%)
- Blue (94%)



- Cyan (72%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)




- Cyan (74%)
- Magenta (6%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7739, 67.1555, 66.5323 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 43.7739, 67.1555, 66.5323 by changing the saturation by 10% instead.





 43.7739, 67.1555,  
66.5323


 43.7739, 67.1555,  
66.5323

352.6526,  
450.4981, 466.7343


 30.6899, 49.2110,  
48.2454


 80.1259, 115.1432,  
115.8843


 20.5135, 34.7869,  
33.6599


 104.1246,  
145.9552, 147.7864

 12.8793, 23.4988,  
22.3572


 132.4923,  
181.8251, 185.0641

 7.4219, 14.9622,  
13.9188

 165.5943,  
223.1375, 228.1359

 3.7760, 8.7929,  
7.9261

203.7960,  
270.2765, 277.4202

 1.5762, 4.6063,  
3.9606

247.4627,

 0.3768, 2.0182,

323.6267, 333.3357

1.6038

296.9598,  
383.5724, 396.3009

■ 0.0000, 0.6180,  
0.2935

■ 0.0000, 0.0000,  
0.0000

■ 43.7739, 67.1555,  
66.5323

■ 43.7739, 67.1555,  
66.5323

■ 41.8923, 66.2559,  
63.3379

■ 46.3515, 68.4149,  
69.8669


■ 40.6108, 65.6618,  
60.2738


■ 49.6943, 70.0647,  
73.3416

■ 39.9322, 65.3611,  
58.0225


■ 53.8691, 72.1411,  
76.9618


■ 58.9338, 74.6738,  
80.7312

 64.9412, 77.6901,  
84.6533

 71.9397, 81.2150,  
88.7313

 79.9745, 85.2716,  
92.9682

 88.2699, 89.4601,  
97.3285

 89.0525, 89.7732,  
101.4495

# Harmonies

## Analogous

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



47.1364, 67.1555, 41.1314



43.7739, 67.1555, 66.5323



45.2238, 67.1555, 102.9620

# Triad

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



43.7739, 67.1555, 66.5323



73.5400, 67.1555, 150.2325



78.1509, 67.1555, 32.0612

# Complementary

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



43.7739, 67.1555, 66.5323



39.9952, 23.2282, 15.2100

# 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.



86.9442, 67.1555, 49.6866



43.7739, 67.1555, 66.5323



84.0603, 67.1555, 118.4716

# Square

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



43.7739, 67.1555, 66.5323



61.4852, 67.1555, 158.9313



89.2301, 67.1555, 80.1308



66.2322, 67.1555, 25.5829



# Rectangle

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



43.7739, 67.1555, 66.5323



48.8274, 67.1555, 128.3659



89.2301, 67.1555, 80.1308



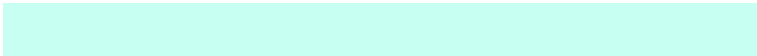
81.6266, 67.1555, 36.5550

# Sweetspot

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



43.7758, 67.1581, 66.5339



75.4645, 90.1196, 98.2121



37.5011, 65.0413, 15.7331



15.7213, 19.0725, 20.7527



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.



43.7758, 67.1581, 66.5339



47.7217, 76.3777, 71.6111



36.2387, 44.2125, 88.2882



16.0941, 17.8677, 19.5186



22.1168, 36.1387, 32.3278



1.8755, 3.0207, 2.8770



# Inverse Universe

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



39.9952, 23.2282, 15.2100



43.2583, 22.9442, 9.8551



42.7149, 31.0116, 8.8899



15.9111, 15.8142, 17.0883



20.0422, 10.2893, 2.8727

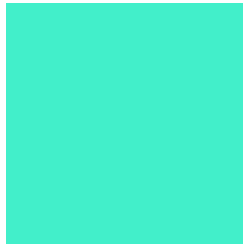


1.7028, 0.8702, 0.4260



# Previews

## White Background



This preview shows how the XYZ color 43.7739, 67.1555, 66.5323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

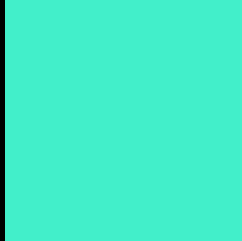
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7739, 67.1555, 66.5323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

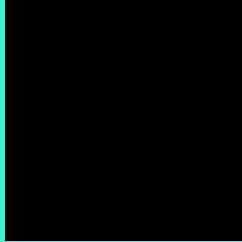
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

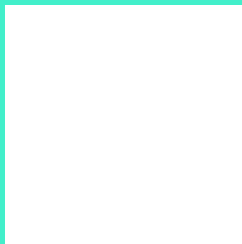
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.7739, 67.1555, 66.5323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7739, 67.1555, 66.5323.



This preview shows how white text looks on a background with the XYZ color 43.7739, 67.1555,



# 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

43.7739, 67.1555, 66.5323

### Protanopia

62.3881, 65.7060, 56.4080

### Deuteranopia

66.9442, 65.5897, 69.4533



## Tritanopia

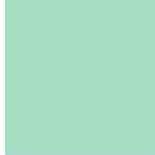
50.5836, 66.9024, 101.5142

# Trichromacy



## Original Color

43.7739, 67.1555, 66.5323



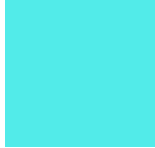
## Protanomaly

50.8879, 63.5180, 59.4473



## Deuteranomaly

52.9667, 62.8526, 67.7326



## Tritanomaly

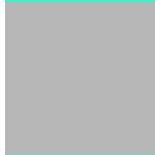
47.8960, 67.0937, 87.5168

# Monochromacy



## Original Color

43.7739, 67.1555, 66.5323



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

41.4654, 52.0050, 56.5677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7739, 67.1555, 66.5323 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(66, 239, 202)` looks like.

```
.text, #text, p{  
    color:rgb(66, 239, 202)  
}
```

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(66, 239, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 239, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7739, 67.1555, 66.5323 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(66, 239, 202) }
```



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

```
.border{ border-color:rgb(66, 239, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 239, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 239, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 239, 202);  
box-shadow:4px 4px 4px 4px rgb(66, 239,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7739, 67.1555, 66.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 239, 202) }
```

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

```
.background{ background-color: rgb(66, 239,  
202) }
```

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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