

# Converting Colors

XYZ(43.8323, 67.4319, 75.2663)

Have a look what the booklet for  
XYZ(43.8323, 67.4319, 75.2663)  
contains.

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# Color

**XYZ(43.7792, 67.4086,  
74.9937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17F0D7
RGB	23, 240, 215
RGB Percent	9%, 94%, 84%
CMY	0.9097, 0.0588, 0.1569
CMYK	0.90, 0.00, 0.10, 0.06
HSL	173°, 88%, 52%
HSV	173°, 90%, 94%
XYZ	43.7792, 67.4086, 74.9937
YIQ	172.2670, -121.3070, -53.7790

# Conversions

## Conversions Part 2

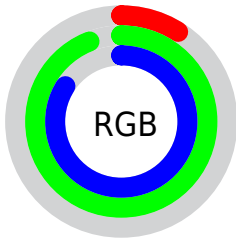
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 138, 240
Decimal	1568983
CIE <sub>Lab</sub>	85.71, -52.26, -1.26
CIE <sub>LCh</sub>	86, 52.278, 181.384
Yxy	67.4086, 0.2351, 0.3621
Android (android.graphics.Color)	4279759063 (0xFF17F0D7)
YUV	172.2670, 21.0674, -130.9072
Hunter-Lab	82.1027, -48.4992, 3.3157

# Details

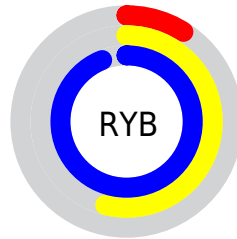
The XYZ color **43.7792, 67.4086, 74.9937** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **36.7776, 19.3536, 4.5970**, and the grayscale version is **39.2939, 41.3403, 45.0195**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **23.2786, 36.4050, 39.0577** is the 20% darker color. If you saturate the color by 10%, you get **43.0887, 67.0933, 73.1970**, and if you desaturate by 10%, it is **44.9593, 67.9771, 76.9214**.

# Distribution



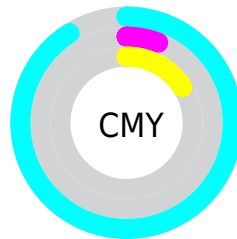
- Red (9%)
- Green (94%)
- Blue (84%)



- Red (9%)
- Yellow (54%)
- Blue (94%)



- Cyan (90%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)




- Cyan (91%)
- Magenta (6%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7792, 67.4086, 74.9937 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 43.7792, 67.4086, 74.9937 by changing the saturation by 10% instead.





 43.7792, 67.4086,  
74.9937


 43.7792, 67.4086,  
74.9937


352.6739,  
451.3978, 497.1508

 30.6941, 49.4168,  
55.1060


 80.1338, 115.5057,  
128.0505

 20.5167, 34.9502,  
39.0874


 104.1340,  
146.3797, 162.0566


 12.8816, 23.6245,  
26.5194


 132.5034,  
182.3166, 201.6060

 7.4235, 15.0553,  
16.9834

 165.6071,  
223.7008, 247.1173

 3.7770, 8.8582,  
10.0608

 203.8107,  
270.9166, 299.0088

 1.5768, 4.6488,  
5.3332

247.4795,

 0.3772, 2.0427,

324.3484, 357.6992

2.3819

296.9788,  
384.3807, 423.6070

■ 0.0000, 0.6321,  
0.7766

■ 0.0000, 0.0000,  
0.0000

■ 43.7792, 67.4086,  
74.9937

■ 43.7792, 67.4086,  
74.9937


■ 43.0887, 67.0933,  
73.1970


■ 44.9593, 67.9771,  
76.9214


■ 46.7509, 68.8586,  
78.9078


■ 49.2433, 70.1007,  
80.9586


■ 52.5095, 71.7410,  
83.0774

 56.6135, 73.8124,  
85.2674

 61.6124, 76.3445,  
87.5314

 67.5585, 79.3642,  
89.8720

 74.4998, 82.8962,  
92.2915

 82.4813, 86.9637,  
94.7923

# Harmonies

## Analogous

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



45.9819, 67.4086, 46.2333



43.7792, 67.4086, 74.9937



46.4272, 67.4086, 113.1633

# Triad

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



43.7792, 67.4086, 74.9937



76.7628, 67.4086, 144.9066



75.6860, 67.4086, 29.5372

# Complementary

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



43.7792, 67.4086, 74.9937



36.7776, 19.3536, 4.5970

# 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.



85.6964, 67.4086, 44.2443



43.7792, 67.4086, 74.9937



86.3703, 67.4086, 109.5371

# Square

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



43.7792, 67.4086, 74.9937



64.6251, 67.4086, 160.5202



89.8237, 67.4086, 71.8222



63.5177, 67.4086, 25.3881



# Rectangle

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



43.7792, 67.4086, 74.9937



50.8035, 67.4086, 137.5607



89.8237, 67.4086, 71.8222



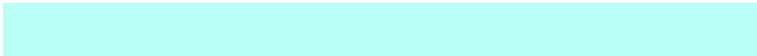
79.4653, 67.4086, 33.1264

# Sweetspot

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



43.7811, 67.4112, 74.9953



72.8449, 88.6974, 101.3304



32.5513, 63.0210, 11.2609



15.1192, 18.7451, 21.4942



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.



43.7811, 67.4112, 74.9953



49.4349, 76.9899, 83.9309



28.1111, 30.5307, 86.8522



16.1643, 17.8958, 19.8883



23.6186, 36.7395, 40.2362



1.9869, 3.0652, 3.4635



# Inverse Universe

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



36.7776, 19.3536, 4.5970



41.4665, 21.3506, 3.1230



41.2664, 28.9380, 4.2228



15.8469, 15.7885, 16.7498



19.8083, 10.1957, 1.6410

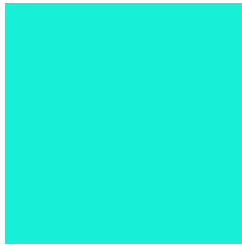


1.6719, 0.8578, 0.2631



# Previews

## White Background



This preview shows how the XYZ color 43.7792, 67.4086, 74.9937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

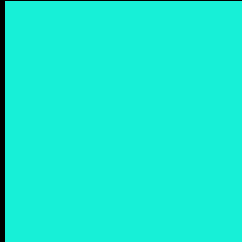
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7792, 67.4086, 74.9937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

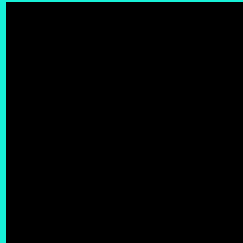
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

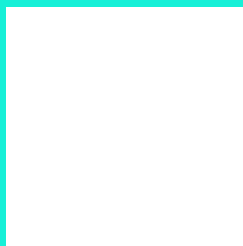
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.7792, 67.4086, 74.9937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7792, 67.4086, 74.9937.



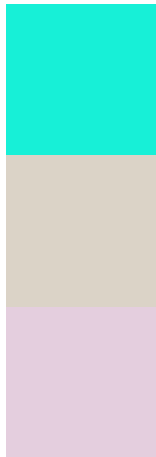
This preview shows how white text looks on a background with the XYZ color 43.7792, 67.4086,



# 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

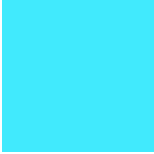
43.7792, 67.4086, 74.9937

### Protanopia

62.8165, 65.7721, 63.4173

### Deuteranopia

67.2510, 65.9105, 78.2847



## **Tritanopia**

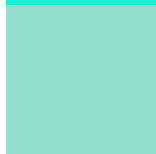
49.3324, 67.0613, 103.2725

# Trichromacy



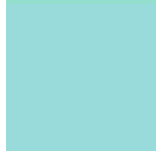
## Original Color

43.7792, 67.4086, 74.9937



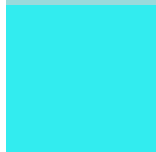
## Protanomaly

49.3535, 62.9462, 67.3062



## Deuteranomaly

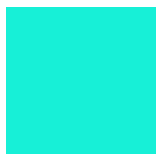
50.9945, 62.0296, 76.3030



## Tritanomaly

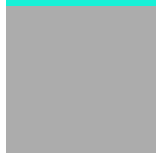
46.8908, 66.9010, 92.1031

# Monochromacy



## Original Color

43.7792, 67.4086, 74.9937



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.5146, 47.4149, 54.8044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7792, 67.4086, 74.9937 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(23, 240, 215)` looks like.

```
.text, #text, p{  
    color:rgb(23, 240, 215)  
}
```

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(23, 240, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 240, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7792, 67.4086, 74.9937 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(23, 240, 215) }
```



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

```
.border{ border-color:rgb(23, 240, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 240, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 240, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 240, 215);  
box-shadow:4px 4px 4px 4px rgb(23, 240,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7792, 67.4086, 74.9937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 240, 215) }
```

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

```
.background{ background-color: rgb(23, 240,  
215) }
```

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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