

# Converting Colors

XYZ(44.5076, 65.1149, 88.5172)

Have a look what the booklet for  
XYZ(44.5076, 65.1149, 88.5172)  
contains.

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# Color

**XYZ(44.7037, 65.4148,  
88.8675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EBEB
RGB	0, 235, 235
RGB Percent	0%, 92%, 92%
CMY	0.9998, 0.0784, 0.0784
CMYK	1.00, 0.00, 0.00, 0.08
HSL	180°, 100%, 46%
HSV	180°, 100%, 92%
XYZ	44.7037, 65.4148, 88.8675
YIQ	164.7350, -140.0600, -49.8200

# Conversions

## Conversions Part 2

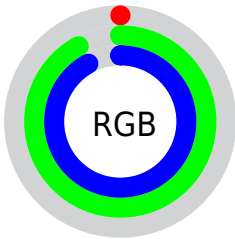
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 235
Decimal	60395
CIELab	84.70, -45.20, -13.29
CIELCh	85, 47.112, 196.386
Yxy	65.4148, 0.2247, 0.3287
Android (android.graphics.Color)	4278250475 (0xFF00EBEB)
YUV	164.7350, 34.6406, -144.4726
Hunter-Lab	80.8794, -42.8784, -8.5302

# Details

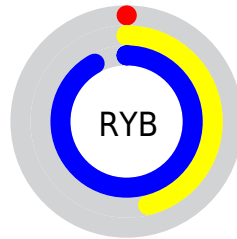
The XYZ color **44.7037, 65.4148, 88.8675** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.2631, 17.6642, 1.6055**, and the grayscale version is **35.5342, 37.3847, 40.7120**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.0571, 35.0955, 48.1540** is the 20% darker color. If you saturate the color by 10%, you get **44.7049, 65.4168, 88.8690**, and if you desaturate by 10%, it is **45.0713, 65.6057, 88.8863**.

# Distribution



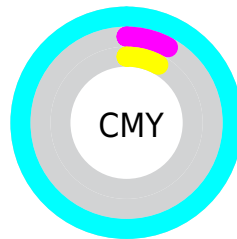
- Red (0%)
- Green (92%)
- Blue (92%)



- Red (0%)
- Yellow (46%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7037, 65.4148, 88.8675 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 44.7037, 65.4148, 88.8675 by changing the saturation by 10% instead.





 44.7037, 65.4148,  
88.8675


 44.7037, 65.4148,  
88.8675


356.3761,  
444.2811, 544.8147


 31.4244, 47.7975,  
66.4733


 81.5154, 112.6460,  
147.6860

 21.0756, 33.6666,  
48.1978


 105.7785,  
143.0287, 184.9475


 13.2921, 22.6376,  
33.6225


 134.4336,  
178.4353, 228.0018

 7.7084, 14.3261,  
22.3287

 167.8460,  
219.2503, 277.2674

 3.9591, 8.3478,  
13.8980

 206.3811,  
265.8579, 333.1630

 1.6790, 4.3183,  
7.9118

250.4043,

 0.4431, 1.8532,

318.6427, 396.1071

3.9516

300.2808,  
377.9889, 466.5181

■ 0.0000, 0.5200,  
1.5988

■ 0.0000, 0.0000,  
0.2900

■ 44.7037, 65.4148,  
88.8675

■ 44.7037, 65.4148,  
88.8675

■ 44.7049, 65.4168,  
88.8690

■ 45.0713, 65.6057,  
88.8863

■ 45.8801, 66.0227,  
88.9243

■ 47.2715, 66.7399,  
88.9895

■ 49.3275, 67.7998,  
89.0859

■ 52.1170, 69.2379,  
89.2166

■ 55.7003, 71.0851,  
89.3844

■ 60.1314, 73.3695,  
89.5919

■ 65.4598, 76.1163,  
89.8414

■ 71.7309, 79.3492,  
90.1350

# Harmonies

## Analogous

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



44.5005, 65.4148, 58.4311



44.7037, 65.4148, 88.8675



49.2289, 65.4148, 121.9933

# Triad

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



44.7037, 65.4148, 88.8675



78.0151, 65.4148, 119.1752



67.0629, 65.4148, 28.4276

# Complementary

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



44.7037, 65.4148, 88.8675



34.2631, 17.6642, 1.6055

# 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.



77.2120, 65.4148, 36.9531



44.7037, 65.4148, 88.8675



84.0007, 65.4148, 85.7634

# Square

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



44.7037, 65.4148, 88.8675



68.0631, 65.4148, 142.5917



83.6912, 65.4148, 56.0882



56.6363, 65.4148, 28.8231

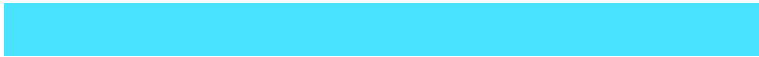


# Rectangle

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



44.7037, 65.4148, 88.8675



54.4125, 65.4148, 138.6576



83.6912, 65.4148, 56.0882



70.6424, 65.4148, 30.2125

# Sweetspot

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



44.7057, 65.4172, 88.8691



72.2850, 88.2642, 107.8342



29.7594, 59.4444, 9.9072



14.9625, 18.6295, 23.0571



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.



44.7057, 65.4172, 88.8691



53.8097, 78.7399, 106.9685



21.8886, 19.7826, 81.2646



15.5177, 17.1219, 19.4092



24.8795, 36.4063, 49.4581



1.9536, 2.8588, 3.8837



# Inverse Universe

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



34.2631, 17.6642, 1.6055



41.2400, 21.2600, 1.9301



40.2365, 29.6111, 3.5966



15.0655, 15.0541, 15.6304



19.0678, 9.8298, 0.8924

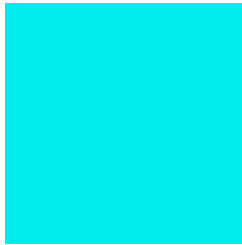


1.4973, 0.7719, 0.0701



# Previews

## White Background



This preview shows how the XYZ color 44.7037, 65.4148, 88.8675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

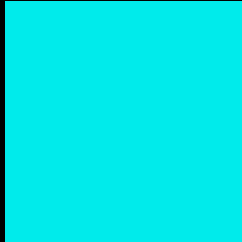
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7037, 65.4148, 88.8675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

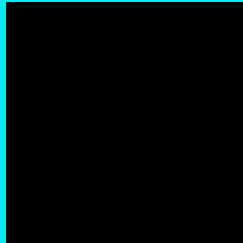
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.7037, 65.4148, 88.8675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7037, 65.4148, 88.8675.



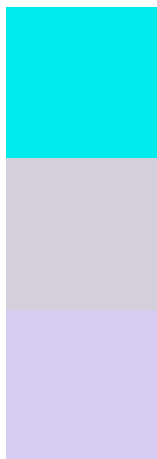
This preview shows how white text looks on a background with the XYZ color 44.7037, 65.4148,



# 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

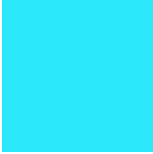
44.7037, 65.4148, 88.8675

### Protanopia

62.2060, 64.0751, 76.1070

### Deuteranopia

65.6442, 64.0436, 92.9062



## **Tritanopia**

47.2655, 65.1919, 101.3589

# Trichromacy



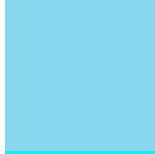
## Original Color

44.7037, 65.4148, 88.8675



## Protanomaly

48.4935, 60.6474, 80.3844



## Deuteranomaly

50.1970, 60.1512, 90.6260



## Tritanomaly

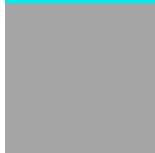
46.0723, 65.1034, 96.5242

# Monochromacy



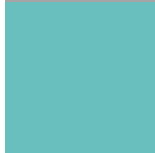
## Original Color

44.7037, 65.4148, 88.8675



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

33.5334, 43.5479, 55.3534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7037, 65.4148, 88.8675 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(0, 235, 235)` looks like.

```
.text, #text, p{  
  color:rgb(0, 235, 235)  
}
```

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(0, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7037, 65.4148, 88.8675 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(0, 235, 235) }
```



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

```
.border{ border-color:rgb(0, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7037, 65.4148, 88.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 235) }
```

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

```
.background{ background-color: rgb(0, 235,  
235) }
```

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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