

# Converting Colors

XYZ(50.2661, 77.3224, 88.3082)

Have a look what the booklet for  
XYZ(50.2661, 77.3224, 88.3082)  
contains.

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# Color

**XYZ(50.3255, 77.3462,  
88.6208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFE8
RGB	0, 255, 232
RGB Percent	0%, 100%, 91%
CMY	0.9998, 0.0000, 0.0902
CMYK	1.00, 0.00, 0.09, 0.00
HSL	175°, 100%, 50%
HSV	175°, 100%, 100%
XYZ	50.3255, 77.3462, 88.6208
YIQ	176.1330, -144.5970, -61.2130

# Conversions

## Conversions Part 2

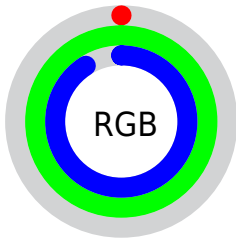
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 134, 255
Decimal	65512
CIELab	90.48, -54.47, -3.15
CIELCh	90, 54.558, 183.306
Yxy	77.3462, 0.2327, 0.3576
Android (android.graphics.Color)	4278255592 (0xFF00FFE8)
YUV	176.1330, 27.5424, -154.4686
Hunter-Lab	87.9467, -51.7641, 1.8182

# Details

The XYZ color **50.3255, 77.3462, 88.6208** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.3959, 21.3235, 2.7478**, and the grayscale version is **41.2606, 43.4094, 47.2728**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.8027, 43.0671, 47.9217** is the 20% darker color. If you saturate the color by 10%, you get **50.3249, 77.3460, 88.6180**, and if you desaturate by 10%, it is **51.0697, 77.6918, 90.3741**.

# Distribution



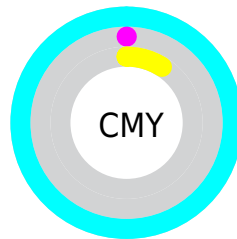
- Red (0%)
- Green (100%)
- Blue (91%)



- Red (0%)
- Yellow (53%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3255, 77.3462, 88.6208 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 50.3255, 77.3462, 88.6208 by changing the saturation by 10% instead.




 50.3255, 77.3462,  
88.6208


 50.3255, 77.3462,  
88.6208


378.3685,  
485.9436, 543.9880

 35.8910, 57.5371,  
66.2701


 89.8459, 129.6281,  
147.3399


 24.5197, 41.4366,  
48.0338


 115.6625,  
162.8696, 184.5453

 15.8464, 28.6604,  
33.4935


 146.0038,  
201.3573, 227.5393

 9.5057, 18.8241,  
22.2305

 181.2351,  
245.4757, 276.7405

 5.1322, 11.5432,  
13.8265

221.7219,  
295.6092, 332.5675

 2.3606, 6.4335,  
7.8627

267.8295,

 0.8254, 3.1104,

352.1420, 395.4387

3.9207

319.9232,  
415.4587, 465.7727

■ 0.0000, 1.1896,  
1.5819

■ 0.0000, 0.0532,  
0.2779

■ 50.3255, 77.3462,  
88.6208

■ 50.3255, 77.3462,  
88.6208

■ 50.3249, 77.3460,  
88.6180

■ 51.0697, 77.6918,  
90.3741

■ 52.3565, 78.3167,  
92.1739

■ 54.3511, 79.3059,  
94.0292

■ 57.1542, 80.7115,  
95.9450

■ 60.8503, 82.5769,  
97.9252

■ 65.5132, 84.9402,  
99.9734

■ 71.2090, 87.8355,  
102.0928

■ 77.9980, 91.2938,  
104.2863

■ 85.9357, 95.3438,  
106.5564

# Harmonies

## Analogous

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



52.4924, 77.3462, 54.7901



50.3255, 77.3462, 88.6208



53.7093, 77.3462, 132.5384

# Triad

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



50.3255, 77.3462, 88.6208



88.8709, 77.3462, 163.8425



85.9327, 77.3462, 33.3710

# Complementary

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



50.3255, 77.3462, 88.6208



41.3959, 21.3235, 2.7478

# 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.



97.6746, 77.3462, 49.3506



50.3255, 77.3462, 88.6208



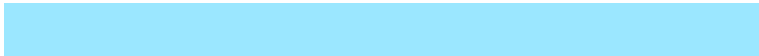
99.5130, 77.3462, 122.6495

# Square

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



50.3255, 77.3462, 88.6208



75.0373, 77.3462, 183.6119



102.9170, 77.3462, 79.9613



72.0139, 77.3462, 29.2989



# Rectangle

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



50.3255, 77.3462, 88.6208



58.9360, 77.3462, 159.9054



102.9170, 77.3462, 79.9613



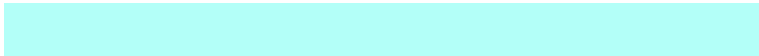
90.3199, 77.3462, 37.2197

# Sweetspot

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



50.3265, 77.3467, 88.6222



71.1937, 87.8277, 102.0875



36.1751, 71.7340, 11.9412



14.6968, 18.5233, 21.6578



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

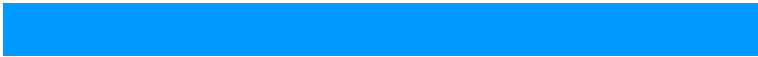
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.3265, 77.3467, 88.6222



50.3249, 77.3460, 88.6180



29.4461, 30.0111, 98.8485



18.4800, 20.4515, 22.8308



26.3251, 40.4266, 46.4586



2.5830, 3.9441, 4.6280



# Inverse Universe

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



41.3959, 21.3235, 2.7478



41.3947, 21.3219, 2.7446



45.9954, 30.7703, 3.5168



18.0759, 18.0137, 19.0169



21.6520, 11.1501, 1.5517

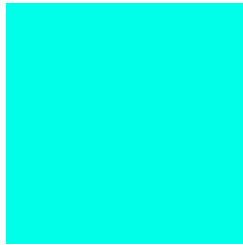


2.1296, 1.0942, 0.2641



# Previews

## White Background



This preview shows how the XYZ color 50.3255, 77.3462, 88.6208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

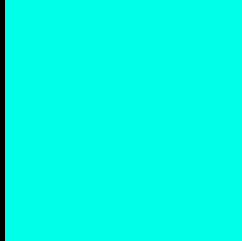
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3255, 77.3462, 88.6208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

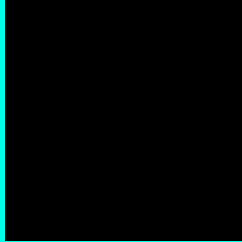
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

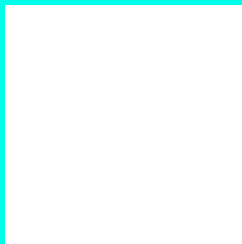
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.3255, 77.3462, 88.6208**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3255, 77.3462, 88.6208.



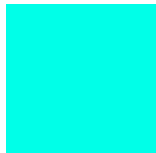
This preview shows how white text looks on a background with the XYZ color 50.3255, 77.3462, 88.6208.



# Color Blindness Simulation

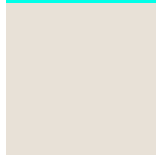
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



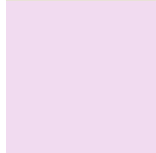
### Original Color

50.3255, 77.3462, 88.6208



### Protanopia

72.4697, 75.9125, 75.1230



### Deuteranopia

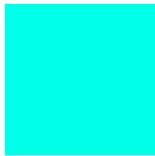
77.3353, 75.6551, 92.9650



## Tritanopia

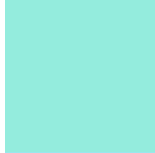
61.8997, 76.5202, 106.1151

# Trichromacy



## Original Color

50.3255, 77.3462, 88.6208



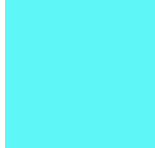
## Protanomaly

55.2593, 71.5073, 79.2964



## Deuteranomaly

57.2795, 70.6000, 90.7290



## Tritanomaly

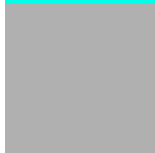
54.4636, 75.0598, 99.6132

# Monochromacy



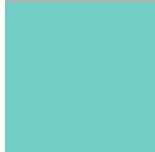
## Original Color

50.3255, 77.3462, 88.6208



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

38.4772, 51.0929, 60.0585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3255, 77.3462, 88.6208 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, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 232)  
}
```

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, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3255, 77.3462, 88.6208 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, 255, 232) }
```



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

```
.border{ border-color:rgb(0, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3255, 77.3462, 88.6208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 232) }
```

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

```
.background{ background-color: rgb(0, 255,  
232) }
```

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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