

# Converting Colors

XYZ(61.9537, 83.1892, 96.0109)

Have a look what the booklet for  
XYZ(61.9537, 83.1892, 96.0109)  
contains.

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# Color

**XYZ(61.9537, 83.1892,  
96.0109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FFF1
RGB	137, 255, 241
RGB Percent	54%, 100%, 95%
CMY	0.4627, 0.0000, 0.0549
CMYK	0.46, 0.00, 0.05, 0.00
HSL	173°, 100%, 77%
HSV	173°, 46%, 100%
XYZ	61.9537, 83.1892, 96.0109
YIQ	218.1220, -65.8340, -29.3700

# Conversions

## Conversions Part 2

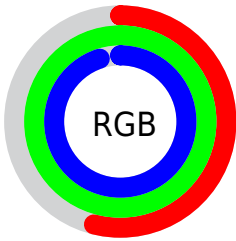
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 200, 255
Decimal	9043953
CIE Lab	93.10, -36.72, -3.69
CIE LCh	93, 36.907, 185.734
Yxy	83.1892, 0.2569, 0.3450
Android (android.graphics.Color)	4287234033 (0xFF89FFF1)
YUV	218.1220, 11.2789, -71.1440
Hunter-Lab	91.2081, -38.3669, 1.4336

# Details

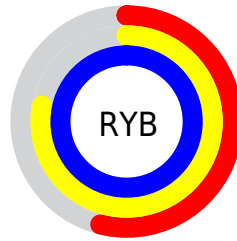
The XYZ color **61.9537, 83.1892, 96.0109** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **55.7725, 41.3871, 34.3284**, and the grayscale version is **66.6822, 70.1549, 76.3987**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **31.9315, 45.4274, 52.9843** is the 20% darker color. If you saturate the color by 10%, you get **57.8084, 81.1040, 93.4788**, and if you desaturate by 10%, it is **67.0963, 85.7876, 98.6317**.

# Distribution



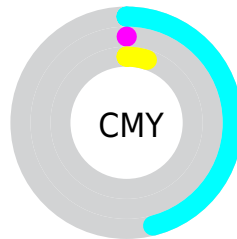
- Red (54%)
- Green (100%)
- Blue (95%)



- Red (54%)
- Yellow (78%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9537, 83.1892, 96.0109 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 61.9537, 83.1892, 96.0109 by changing the saturation by 10% instead.





 61.9537, 83.1892,  
96.0109


 61.9537, 83.1892,  
96.0109


421.4824,  
505.6169, 568.4630

 45.2507, 62.3462,  
72.3751


 106.7489,  
137.8404, 157.6680

 31.8571, 45.3125,  
52.9764


 135.5719,  
172.4175, 196.5265

 21.4074, 31.7037,  
37.3964


169.1656,  
212.3413, 241.2962

 13.5363, 21.1353,  
25.2163

207.8954,  
257.9964, 292.3957

 7.8784, 13.2229,  
16.0178

252.1266,  
309.7671, 350.2436

 4.0684, 7.5822,  
9.3823

302.2246,

 1.7409, 3.8288,

368.0378, 415.2585

4.8912

358.5548,  
433.1930, 487.8587

■ 0.4817, 1.5783,  
2.1259

■ 0.0000, 0.3429,  
0.6311

■ 61.9537, 83.1892,  
96.0109

■ 61.9537, 83.1892,  
96.0109

■ 57.8084, 81.1040,  
93.4788

■ 67.0963, 85.7876,  
98.6317

■ 54.5866, 79.4940,  
91.0274

■ 73.2967, 88.9306,  
101.3400

■ 52.2091, 78.3185,  
88.6544

■ 80.6146, 92.6487,  
104.1402

■ 50.5824, 77.5290,  
86.3551

■ 89.1041, 96.9699,  
107.0349

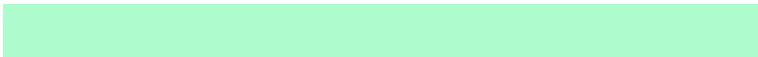
■ 49.5894, 77.0655, 95.0500, 100.0000,  
84.1239 108.9000

■ 49.3163, 76.9425,  
83.3066

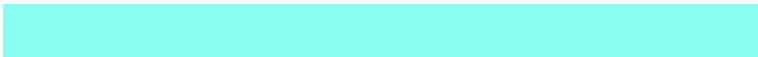
# Harmonies

## Analogous

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



63.2819, 83.1892, 70.3858



61.9537, 83.1892, 96.0109



64.8989, 83.1892, 125.4225

# Triad

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



61.9537, 83.1892, 96.0109



90.4477, 83.1892, 141.1189



86.9695, 83.1892, 50.1478

# Complementary

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



61.9537, 83.1892, 96.0109



55.7725, 41.3871, 34.3284

# 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.



95.1644, 83.1892, 62.8719



61.9537, 83.1892, 96.0109



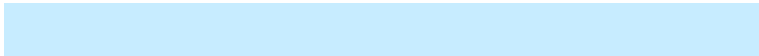
97.2845, 83.1892, 114.3060

# Square

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



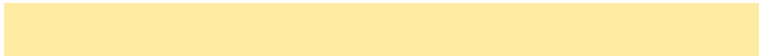
61.9537, 83.1892, 96.0109



80.9435, 83.1892, 154.6618



99.0772, 83.1892, 85.3557



77.2234, 83.1892, 47.2106



# Rectangle

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



61.9537, 83.1892, 96.0109



69.0430, 83.1892, 142.1743



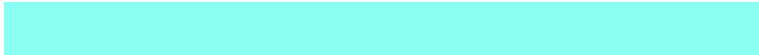
99.0772, 83.1892, 85.3557



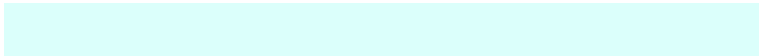
90.0211, 83.1892, 53.2740

# Sweetspot

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



61.9548, 83.1897, 96.0124



82.4393, 93.5769, 104.7896



53.3630, 80.0731, 36.3118



17.2743, 19.8405, 22.2973



0.0000, 0.0000, 0.0000

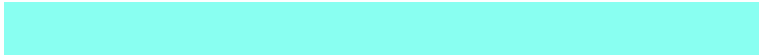


20.3446, 21.4041, 23.3091



# Same Dimension

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



61.9548, 83.1897, 96.0124



57.9089, 81.1544, 93.5467



51.8446, 59.4934, 103.3586



18.4566, 20.4422, 22.7074



25.8057, 40.2189, 43.7235



2.5377, 3.9260, 4.3895



# Inverse Universe

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



55.7725, 41.3871, 34.3284



51.0281, 34.4813, 24.7841



62.1314, 55.8178, 31.1679



18.0970, 18.0221, 19.1280



21.7003, 11.1694, 1.8065

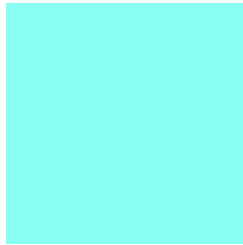


2.1396, 1.0982, 0.3164



# Previews

## White Background



This preview shows how the XYZ color 61.9537, 83.1892, 96.0109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

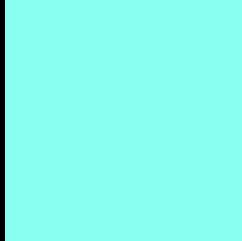
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9537, 83.1892, 96.0109 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

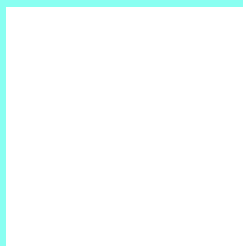
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.9537, 83.1892, 96.0109**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.9537, 83.1892, 96.0109.



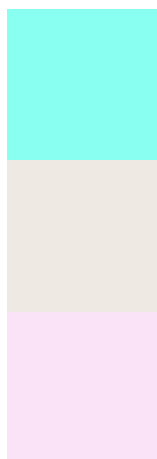
This preview shows how white text looks on a background with the XYZ color 61.9537, 83.1892,



# 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

61.9537, 83.1892, 96.0109

### Protanopia

78.7391, 82.2300, 85.1208

### Deuteranopia

83.6819, 81.9776, 99.4084



## Tritanopia

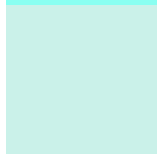
71.5864, 82.3976, 106.7391

# Trichromacy



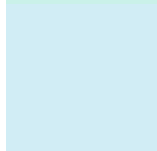
## Original Color

61.9537, 83.1892, 96.0109



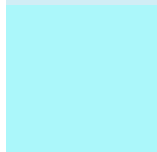
## Protanomaly

70.5204, 81.3503, 89.0762



## Deuteranomaly

73.0601, 80.7163, 98.1153



## Tritanomaly

67.3107, 82.0816, 102.7382

# Monochromacy



## Original Color

61.9537, 83.1892, 96.0109



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.2896, 73.4616, 82.7953

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9537, 83.1892, 96.0109 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(137, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 241)  
}
```

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(137, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9537, 83.1892, 96.0109 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(137, 255, 241) }
```



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

```
.border{ border-color:rgb(137, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9537, 83.1892, 96.0109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 241) }
```

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

```
.background{ background-color: rgb(137,  
255, 241) }
```

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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