

Converting Colors

XYZ(61.9447, 83.6252, 76.1049)

Have a look what the booklet for
XYZ(61.9447, 83.6252, 76.1049)
contains.

XYZ(61.8708, 83.5932, 75.8250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.8708, 83.5932,
75.8250)**

Conversions

Conversions Part 1

Format	Color
Hex	9EFFD5
RGB	158, 255, 213
RGB Percent	62%, 100%, 84%
CMY	0.3804, 0.0000, 0.1647
CMYK	0.38, 0.00, 0.16, 0.00
HSL	154°, 100%, 81%
HSV	154°, 38%, 100%
XYZ	61.8708, 83.5932, 75.8250
YIQ	221.2090, -44.3300, -33.6260

Conversions

Conversions Part 2

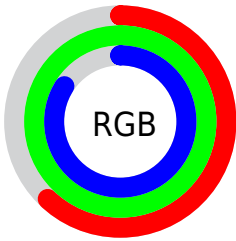
Format	Color
RYB	158, 220, 255
Decimal	10420181
CIELab	93.27, -37.68, 11.13
CIELCh	93, 39.285, 163.546
Yxy	83.5932, 0.2796, 0.3778
Android (android.graphics.Color)	4288610261 (0xFF9EFFD5)
YUV	221.2090, -4.0470, -55.4343
Hunter-Lab	91.4293, -39.2092, 14.8296

Details

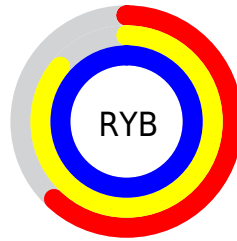
The XYZ color **61.8708, 83.5932, 75.8250** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.8927, 49.8848, 60.9051**, and the grayscale version is **68.9238, 72.5132, 78.9669**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **31.8451, 45.6816, 39.4868** is the 20% darker color. If you saturate the color by 10%, you get **56.0106, 80.7286, 68.4831**, and if you desaturate by 10%, it is **68.8686, 87.0332, 83.7210**.

Distribution



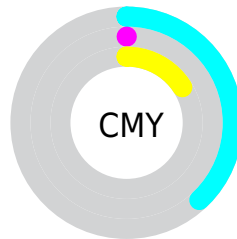
- Red (62%)
- Green (100%)
- Blue (84%)



- Red (62%)
- Yellow (86%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8708, 83.5932, 75.8250 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 61.8708, 83.5932, 75.8250 by changing the saturation by 10% instead.


 61.8708, 83.5932,
75.8250


 61.8708, 83.5932,
75.8250


421.1847,
506.9614, 500.0793

 45.1835, 62.6796,
55.7832

 106.6298,
138.4060, 129.2373

 31.8039, 45.5821,
39.6263


 135.4322,
173.0740, 163.4450

 21.3666, 31.9162,
26.9357


169.0036,
213.0956, 203.2116

 13.5062, 21.2975,
17.2930

207.7096,
258.8552, 248.9558

 7.8574, 13.3416,
10.2794

251.9153,
310.7372, 301.0962

 4.0549, 7.6642,
5.4766

301.9861,

 1.7332, 3.8808,

369.1259, 360.0512

2.4659

358.2875,
434.4059, 426.2394

■ 0.4769, 1.6071,
0.8220

■ 0.0000, 0.3624,
0.0000

■ 61.8708, 83.5932,
75.8250

■ 61.8708, 83.5932,
75.8250

■ 56.0106, 80.7286,
68.4831

■ 68.8686, 87.0332,
83.7210

■ 51.2189, 78.4040,
61.6781

■ 77.0628, 91.0787,
92.1793

■ 47.4225, 76.5820,
55.3979

■ 86.5107, 95.7591,
101.2132

■ 44.5373, 75.2193,
49.6279

95.0500, 100.0000,
108.9000

■ 42.4643, 74.2653,
44.3528

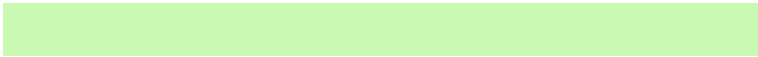
■ 41.0700, 73.6512,
39.5551

■ 40.8393, 73.5517,
38.6671

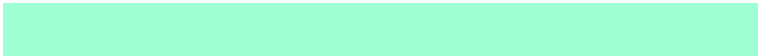
Harmonies

Analogous

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



66.5283, 83.5932, 55.6725



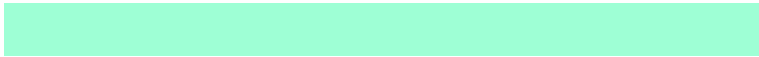
61.8708, 83.5932, 75.8250



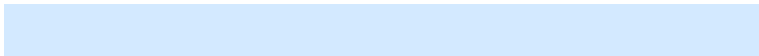
61.6500, 83.5932, 105.0163

Triad

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



61.8708, 83.5932, 75.8250



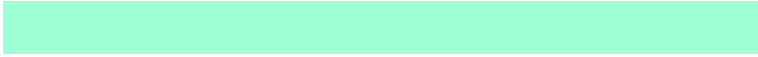
84.2008, 83.5932, 158.3512



94.7516, 83.5932, 57.1583

Complementary

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



61.8708, 83.5932, 75.8250



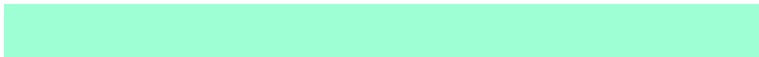
63.8927, 49.8848, 60.9051

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.



100.3901, 83.5932, 78.3238



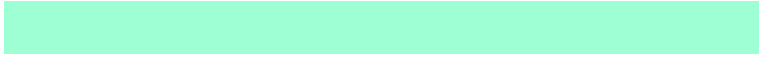
61.8708, 83.5932, 75.8250



93.9514, 83.5932, 138.8399

Square

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



61.8708, 83.5932, 75.8250



73.9535, 83.5932, 157.2715



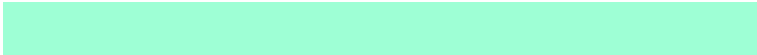
100.0852, 83.5932, 108.1177



85.2182, 83.5932, 46.6056

Rectangle

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



61.8708, 83.5932, 75.8250



64.0084, 83.5932, 126.2467



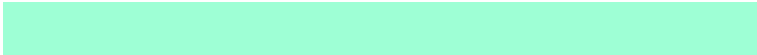
100.0852, 83.5932, 108.1177



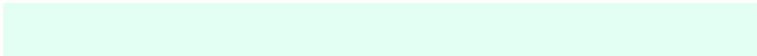
97.2009, 83.5932, 63.0416

Sweetspot

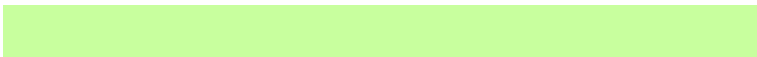
The Sweet Spot groups the original color and five complimentary colors.



61.8716, 83.5936, 75.8264



83.5785, 94.3051, 98.4768



65.7605, 86.2729, 45.5353



17.6101, 20.0468, 20.8136



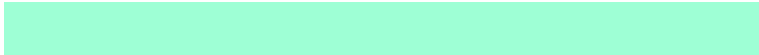
0.0000, 0.0000, 0.0000



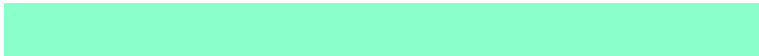
20.3446, 21.4041, 23.3091

Same Dimension

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



61.8716, 83.5936, 75.8264



57.1161, 81.2675, 69.9357



65.8827, 81.9527, 106.9538



18.2031, 20.3408, 21.3725



21.4158, 38.4629, 20.6065



2.1400, 3.7669, 2.2952

Inverse Universe

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



63.8927, 49.8848, 60.9051



59.4154, 43.0029, 53.0224



60.7714, 50.4479, 38.8834



18.3359, 18.1177, 20.3861



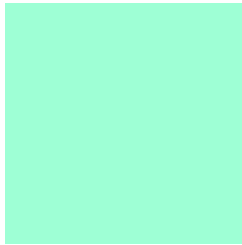
23.1027, 11.7304, 9.1912



2.3030, 1.1636, 1.1770

Previews

White Background



This preview shows how the XYZ color 61.8708, 83.5932, 75.8250 looks on a white background.

Color Contrast Check

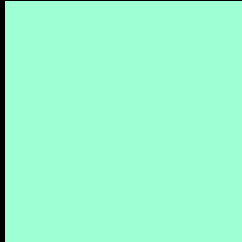
Large Text (above 18pt) WCAG AA × Fail

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 61.8708, 83.5932, 75.8250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

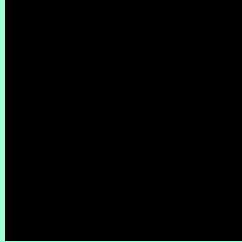
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.8708, 83.5932, 75.8250

Background



This preview shows how black text looks on a background with the XYZ color 61.8708, 83.5932, 75.8250.



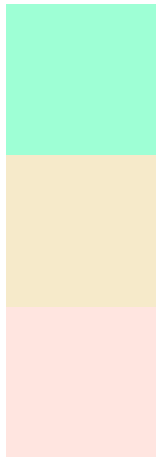
This preview shows how white text looks on a background with the XYZ color 61.8708, 83.5932,

75.8250.

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

61.8708, 83.5932, 75.8250

Protanopia

78.0895, 82.7027, 67.7246

Deuteranopia

82.7139, 82.6804, 82.1204



Tritanopia

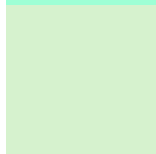
73.3553, 82.8664, 106.7363

Trichromacy



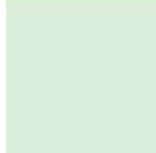
Original Color

61.8708, 83.5932, 75.8250



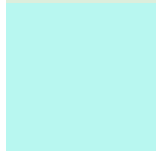
Protanomaly

70.6243, 82.2566, 70.5473



Deuteranomaly

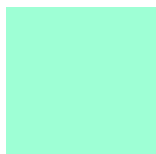
73.0080, 81.5320, 79.5995



Tritanomaly

68.7561, 83.0031, 94.8355

Monochromacy



Original Color

61.8708, 83.5932, 75.8250



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.0825, 75.3455, 77.4426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8708, 83.5932, 75.8250 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(158, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 213)  
}
```

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(158, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 61.8708, 83.5932, 75.8250 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(158, 255, 213) }
```


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

```
.border{ border-color:rgb(158, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8708, 83.5932, 75.8250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 213) }
```

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

```
.background{ background-color: rgb(158,  
255, 213) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor