

# Converting Colors

XYZ(56.8872, 81.2995, 63.1462)

Have a look what the booklet for  
XYZ(56.8872, 81.2995, 63.1462)  
contains.

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# Color

**XYZ(56.8872, 81.2995,  
63.1462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90FFC1
RGB	144, 255, 193
RGB Percent	56%, 100%, 76%
CMY	0.4353, 0.0000, 0.2431
CMYK	0.44, 0.00, 0.24, 0.00
HSL	146°, 100%, 78%
HSV	146°, 44%, 100%
XYZ	56.8872, 81.2995, 63.1462
YIQ	214.7430, -46.2540, -42.8140

# Conversions

## Conversions Part 2

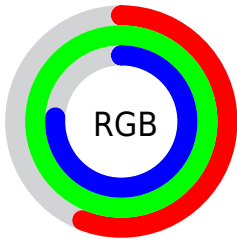
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 221, 255
Decimal	9502657
CIELab	92.26, -45.29, 19.88
CIELCh	92, 49.460, 156.304
Yxy	81.2995, 0.2826, 0.4038
Android (android.graphics.Color)	4287692737 (0xFF90FFC1)
YUV	214.7430, -10.7193, -62.0416
Hunter-Lab	90.1662, -45.1726, 21.5937

# Details

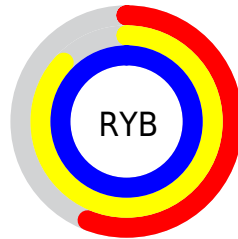
The XYZ color **56.8872, 81.2995, 63.1462** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.3542, 45.6634, 63.9200**, and the grayscale version is **64.5099, 67.8695, 73.9099**.

A 20% lighter version of the original color is **77.3724, 90.9787, 103.9252**, and **28.6920, 44.2307, 31.4512** is the 20% darker color. If you saturate the color by 10%, you get **51.4120, 78.6518, 54.9919**, and if you desaturate by 10%, it is **63.5227, 84.5277, 72.1563**.

# Distribution



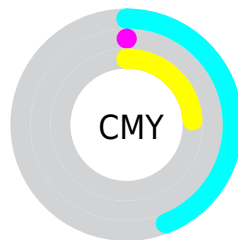
- Red (56%)
- Green (100%)
- Blue (76%)



- Red (56%)
- Yellow (87%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8872, 81.2995, 63.1462 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 56.8872, 81.2995, 63.1462 by changing the saturation by 10% instead.





 56.8872, 81.2995,  
63.1462


 56.8872, 81.2995,  
63.1462


403.0475,  
499.3015, 454.2224

 41.1545, 60.7883,  
45.5177

 99.4329, 135.1912,  
110.9680

 28.6280, 44.0543,  
31.5195


 126.9766,  
169.3405, 141.9985

 18.9425, 30.7132,  
20.7330


159.1879,  
208.8047, 178.3333

 11.7325, 20.3806,  
12.7396

196.4323,  
253.9680, 220.3911

 6.6327, 12.6720,  
7.1209

239.0751,  
305.2150, 268.5903

 3.2777, 7.2031,  
3.4582

287.4817,

 1.3023, 3.5894,

362.9300, 323.3496

1.3331

342.0174,  
427.4973, 385.0875

■ 0.1849, 1.4467,  
0.0887

■ 0.0000, 0.2507,  
0.0000

■ 56.8872, 81.2995,  
63.1462

■ 56.8872, 81.2995,  
63.1462

■ 51.4120, 78.6518,  
54.9919

■ 63.5227, 84.5277,  
72.1563

■ 47.0220, 76.5463,  
47.6635

■ 71.3826, 88.3689,  
82.0429

■ 43.6364, 74.9419,  
41.1350

■ 80.5287, 92.8547,  
92.8308

■ 41.1610, 73.7907,  
35.3775

■ 91.0181, 98.0138,  
104.5427

■ 39.4820, 73.0345, 95.0500, 100.0000,  
30.3595 108.9000

■ 38.7165, 72.7026,  
27.4886

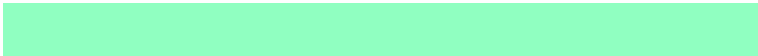
# Harmonies

## Analogous

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



63.6195, 81.2995, 43.0608



56.8872, 81.2995, 63.1462



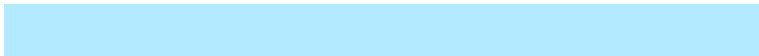
55.3337, 81.2995, 96.4742

# Triad

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



56.8872, 81.2995, 63.1462



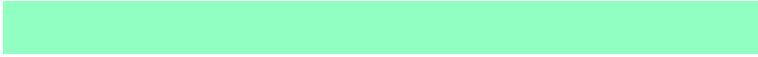
80.0019, 81.2995, 178.4999



98.8129, 81.2995, 53.0539

# Complementary

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



56.8872, 81.2995, 63.1462



62.3542, 45.6634, 63.9200

# 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.



104.3572, 81.2995, 81.0180



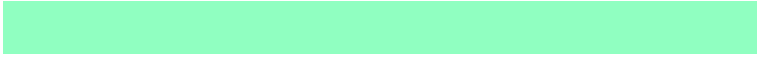
56.8872, 81.2995, 63.1462



92.7516, 81.2995, 158.2004

# Square

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



56.8872, 81.2995, 63.1462



67.8129, 81.2995, 169.8531



102.0253, 81.2995, 119.9194

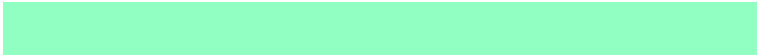


87.5738, 81.2995, 38.4567



# Rectangle

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



56.8872, 81.2995, 63.1462



57.2733, 81.2995, 123.5071



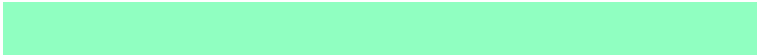
102.0253, 81.2995, 119.9194



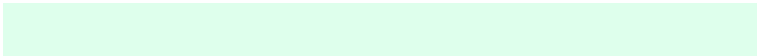
101.4578, 81.2995, 60.8579

# Sweetspot

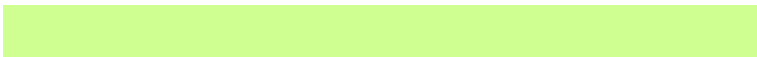
The Sweet Spot groups the original color and five complimentary colors.



56.8879, 81.2999, 63.1475



81.0490, 93.1102, 93.4265



66.4987, 86.7848, 39.6327



16.8881, 19.7036, 19.4683



0.0000, 0.0000, 0.0000

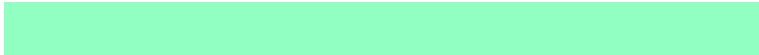


20.3446, 21.4041, 23.3091



# Same Dimension

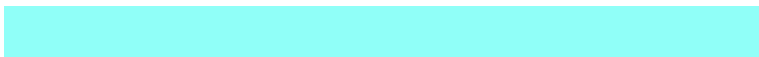
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8879, 81.2999, 63.1475



52.1768, 79.0204, 56.1843



64.1433, 84.2020, 101.3539



18.1047, 20.3014, 20.8543



20.3024, 38.0176, 14.7436



2.0306, 3.7232, 1.7192



# Inverse Universe

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



62.3542, 45.6634, 63.9200



58.2654, 39.2842, 57.0133



56.8322, 43.4546, 34.8419



18.4342, 18.1570, 20.9037



24.1933, 12.1666, 14.9343

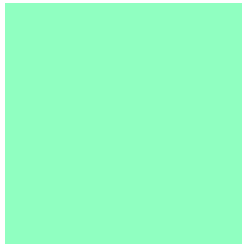


2.4106, 1.2066, 1.7437



# Previews

## White Background



This preview shows how the XYZ color 56.8872, 81.2995, 63.1462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

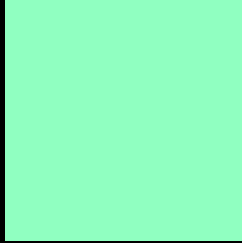
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8872, 81.2995, 63.1462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

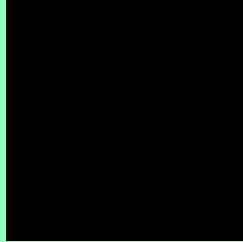
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.8872, 81.2995, 63.1462

## Background



This preview shows how black text looks on a background with the XYZ color 56.8872, 81.2995, 63.1462.



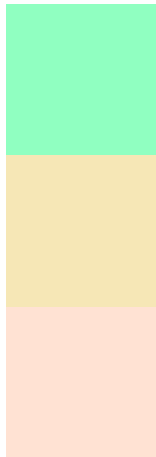
This preview shows how white text looks on a background with the XYZ color 56.8872, 81.2995,



# 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

56.8872, 81.2995, 63.1462

### Protanopia

75.0254, 80.1221, 55.7668

### Deuteranopia

80.1942, 80.3559, 72.9116



## Tritanopia

69.9988, 80.6954, 106.4942

# Trichromacy



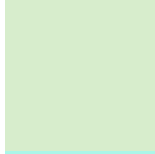
## Original Color

56.8872, 81.2995, 63.1462



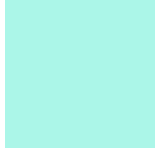
## Protanomaly

66.3175, 79.4207, 58.2888



## Deuteranomaly

69.2076, 79.3751, 68.8000



## Tritanomaly

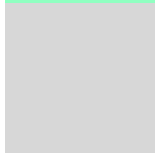
64.3158, 80.3957, 88.4720

# Monochromacy



## Original Color

56.8872, 81.2995, 63.1462



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

60.5456, 71.9174, 69.7218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8872, 81.2995, 63.1462 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(144, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 193)  
}
```

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(144, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8872, 81.2995, 63.1462 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(144, 255, 193) }
```



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

```
.border{ border-color:rgb(144, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8872, 81.2995, 63.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 193) }
```

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

```
.background{ background-color: rgb(144,  
255, 193) }
```

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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