

# Converting Colors

XYZ(63.9917, 82.5956, 99.1964)

Have a look what the booklet for  
XYZ(63.9917, 82.5956, 99.1964)  
contains.

<b>XYZ(64.0543, 82.7927, 98.9908)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(64.0543, 82.7927,  
98.9908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97FCF5
RGB	151, 252, 245
RGB Percent	59%, 99%, 96%
CMY	0.4078, 0.0117, 0.0392
CMYK	0.40, 0.00, 0.03, 0.01
HSL	176°, 94%, 79%
HSV	176°, 40%, 99%
XYZ	64.0543, 82.7927, 98.9908
YIQ	221.0030, -57.9490, -23.5890

# Conversions

## Conversions Part 2

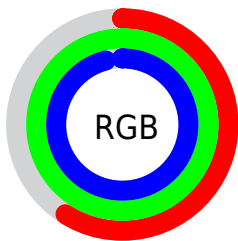
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 203, 252
Decimal	9960693
CIELab	92.92, -31.13, -5.95
CIElCh	93, 31.693, 190.822
Yxy	82.7927, 0.2606, 0.3368
Android (android.graphics.Color)	4288150773 (0xFF97FCF5)
YUV	221.0030, 11.8305, -61.3926
Hunter-Lab	90.9905, -33.5753, -0.8097

# Details

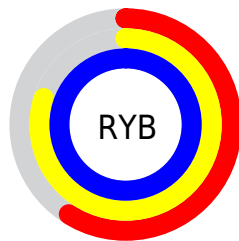
The XYZ color **64.0543, 82.7927, 98.9908** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.3858, 45.2996, 38.0698**, and the grayscale version is **68.6801, 72.2568, 78.6876**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **33.2146, 45.0315, 55.0855** is the 20% darker color. If you saturate the color by 10%, you get **59.6032, 80.5308, 97.3983**, and if you desaturate by 10%, it is **69.5123, 85.5775, 100.6472**.

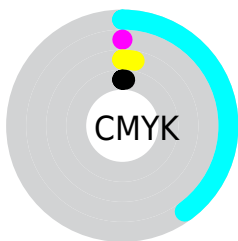
# Distribution



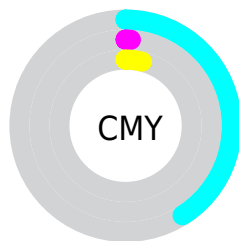
- Red (59%)
- Green (99%)
- Blue (96%)



- Red (59%)
- Yellow (80%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)



- Cyan (41%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0543, 82.7927, 98.9908 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 64.0543, 82.7927, 98.9908 by changing the saturation by 10% instead.



64.0543, 82.7927,  
98.9908

64.0543, 82.7927,  
98.9908

428.9848,  
504.2954, 578.1712

46.9565, 62.0192,  
74.8458

109.7624,  
137.2851, 161.8094

33.2091, 45.0482,  
54.9856

139.1035,  
171.7727, 201.3200

22.4467, 31.4954,  
38.9917

173.2563,  
211.6005, 246.7897

14.3039, 20.9764,  
26.4455

212.5863,  
257.1528, 298.6368

8.4155, 13.1067,  
16.9284

257.4588,  
308.8141, 357.2800

4.4159, 7.5021,  
10.0221

308.2391,

1.9400, 3.7780,

366.9686, 423.1378

5.3078

365.2927,  
432.0009, 496.6287

■ 0.5999, 1.5502,  
2.3671

■ 0.0000, 0.3237,  
0.7684

■ 64.0543, 82.7927,  
98.9908

■ 64.0543, 82.7927,  
98.9908

■ 59.6032, 80.5308,  
97.3983

■ 69.5123, 85.5775,  
100.6472

■ 56.0874, 78.7487,  
95.8609

■ 76.0285, 88.9054,  
102.3645

■ 53.4376, 77.4128,  
94.3771

■ 83.6595, 92.8078,  
104.1471

■ 51.5717, 76.4807,  
92.9430

■ 92.4555, 97.3105,  
105.9976

50.3917, 75.9019,  
91.5540

93.8992, 98.0226,  
107.5173

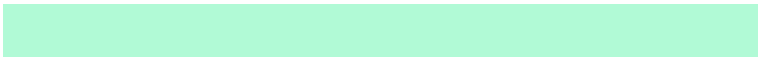
49.7397, 75.5948,  
90.2131

94.1018, 98.1036,  
108.5839

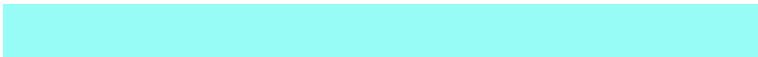
# Harmonies

## Analogous

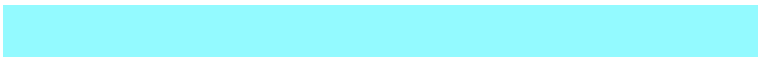
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5797, 82.7927, 75.9703



64.0543, 82.7927, 98.9908



67.2381, 82.7927, 123.3946

# Triad

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



64.0543, 82.7927, 98.9908



89.5760, 82.7927, 129.2830



84.0439, 82.7927, 53.5464

# Complementary

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



64.0543, 82.7927, 98.9908



57.3858, 45.2996, 38.0698

# 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.



91.3779, 82.7927, 63.4825



64.0543, 82.7927, 98.9908



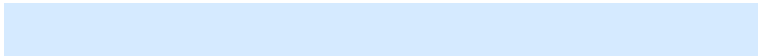
94.7236, 82.7927, 105.9864

# Square

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



64.0543, 82.7927, 98.9908



81.7222, 82.7927, 142.8160



95.4053, 82.7927, 81.8466

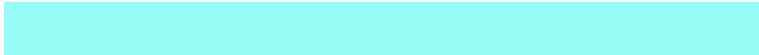


75.7376, 82.7927, 52.3394



# Rectangle

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



64.0543, 82.7927, 98.9908



71.1757, 82.7927, 136.1552



95.4053, 82.7927, 81.8466



86.7196, 82.7927, 55.8820

# Sweetspot

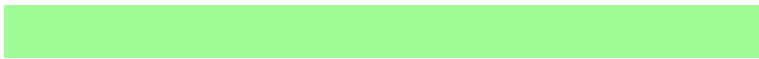
The Sweet Spot groups the original color and five complimentary colors.



64.0567, 82.7960, 98.9927



84.3349, 94.5154, 106.6254



54.7797, 79.2721, 41.6936



17.8239, 20.1140, 22.7705



0.0000, 0.0000, 0.0000

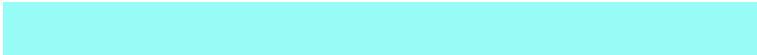


20.3446, 21.4041, 23.3091



# Same Dimension

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



64.0567, 82.7960, 98.9927



62.0834, 83.1595, 100.3820



53.3617, 59.6624, 100.8027



17.7108, 19.5866, 21.9437



25.9317, 39.3857, 47.1113



2.4169, 3.6539, 4.4431



# Inverse Universe

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



57.3858, 45.2996, 38.0698



54.3870, 39.8514, 30.0586



64.8220, 61.1094, 37.6586



17.2934, 17.2447, 18.1349



20.9851, 10.8098, 1.3640

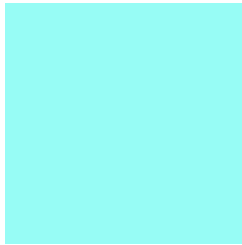


1.9601, 1.0078, 0.2131



# Previews

## White Background



This preview shows how the XYZ color 64.0543, 82.7927, 98.9908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

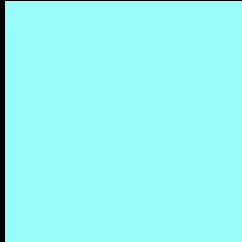
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0543, 82.7927, 98.9908 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 64.0543, 82.7927, 98.9908**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0543, 82.7927, 98.9908.



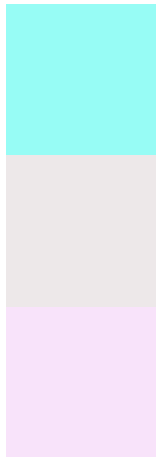
This preview shows how white text looks on a background with the XYZ color 64.0543, 82.7927,



# 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

64.0543, 82.7927, 98.9908

### Protanopia

78.4896, 81.6009, 88.7045

### Deuteranopia

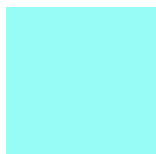
83.4358, 81.7968, 101.8333



## Tritanopia

72.0929, 82.6586, 106.7628

# Trichromacy



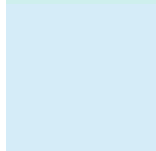
## Original Color

64.0543, 82.7927, 98.9908



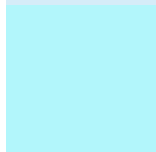
## Protanomaly

71.6062, 80.9692, 91.9753



## Deuteranomaly

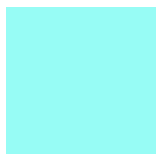
74.3793, 80.9144, 100.5048



## Tritanomaly

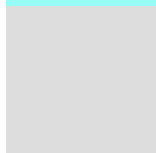
68.7285, 82.3415, 103.5379

# Monochromacy



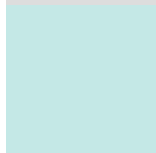
## Original Color

64.0543, 82.7927, 98.9908



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

65.9045, 75.1622, 85.8971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0543, 82.7927, 98.9908 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(151, 252, 245)` looks like.

```
.text, #text, p{  
    color:rgb(151, 252, 245)  
}
```

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(151, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 252, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0543, 82.7927, 98.9908 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(151, 252, 245) }
```



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

```
.border{ border-color:rgb(151, 252, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 252, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 252, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 252, 245);  
box-shadow:4px 4px 4px 4px rgb(151, 252,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0543, 82.7927, 98.9908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 252, 245) }
```

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

```
.background{ background-color: rgb(151,  
252, 245) }
```

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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