

# Converting Colors

XYZ(60.7466, 79.9466, 87.5514)

Have a look what the booklet for  
XYZ(60.7466, 79.9466, 87.5514)  
contains.

<b>XYZ(60.8772, 80.0049, 87.8352)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(60.8772, 80.0049,  
87.8352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96F9E7
RGB	150, 249, 231
RGB Percent	59%, 98%, 91%
CMY	0.4117, 0.0235, 0.0941
CMYK	0.40, 0.00, 0.07, 0.02
HSL	169°, 89%, 78%
HSV	169°, 40%, 98%
XYZ	60.8772, 80.0049, 87.8352
YIQ	217.3470, -53.2260, -26.5860

# Conversions

## Conversions Part 2

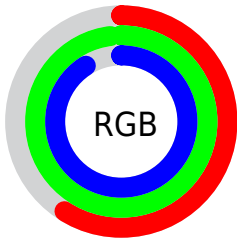
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 204, 249
Decimal	9894375
CIE <sub>Lab</sub>	91.69, -33.17, -0.51
CIE <sub>LCh</sub>	92, 33.174, 180.885
Yxy	80.0049, 0.2662, 0.3498
Android (android.graphics.Color)	4288084455 (0xFF96F9E7)
YUV	217.3470, 6.7309, -59.0633
Hunter-Lab	89.4455, -35.0412, 4.3892

# Details

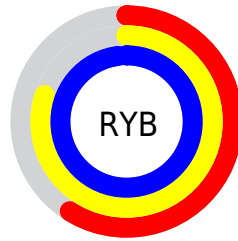
The XYZ color **60.8772, 80.0049, 87.8352** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0439, 44.7819, 42.6862**, and the grayscale version is **66.1747, 69.6209, 75.8172**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **31.2003, 43.1610, 47.7608** is the 20% darker color. If you saturate the color by 10%, you get **56.1422, 77.6389, 84.3196**, and if you desaturate by 10%, it is **66.6068, 82.8858, 91.4872**.

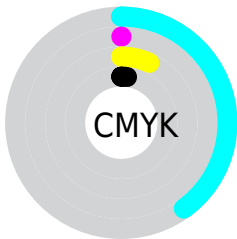
# Distribution



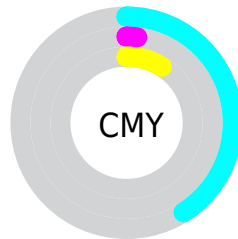
- Red (59%)
- Green (98%)
- Blue (91%)



- Red (59%)
- Yellow (80%)
- Blue (98%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (41%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8772, 80.0049, 87.8352 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 60.8772, 80.0049, 87.8352 by changing the saturation by 10% instead.





 60.8772, 80.0049,  
87.8352


 60.8772, 80.0049,  
87.8352


417.6067,  
494.9493, 541.3507

 44.3782, 59.7224,  
65.6230


 105.2002,  
133.3726, 146.2368

 31.1672, 43.1949,  
47.5119


 133.7550,  
167.2266, 183.2634

 20.8786, 30.0381,  
33.0833


167.0591,  
206.3732, 226.0651

 13.1473, 19.8675,  
21.9186

205.4779,  
251.1969, 275.0606

 7.6077, 12.2988,  
13.5994

249.3766,  
302.0819, 330.6683

 3.8947, 6.9475,  
7.7070

299.1208,

 1.6427, 3.4293,

359.4127, 393.3069

3.8230

355.0757,  
423.5737, 463.3949

■ 0.4200, 1.3597,  
1.5287

■ 0.0000, 0.1868,  
0.2392

■ 60.8772, 80.0049,  
87.8352

■ 60.8772, 80.0049,  
87.8352

■ 56.1422, 77.6389,  
84.3196

■ 66.6068, 82.8858,  
91.4872

■ 52.3326, 75.7460,  
80.9314

■ 73.3811, 86.3013,  
95.2733

■ 49.3812, 74.2937,  
77.6684

■ 81.2548, 90.2816,  
99.1985

■ 47.2086, 73.2409,  
74.5263

■ 90.2768, 94.8519,  
103.2657

■ 45.7202, 72.5391,  
71.4999

■ 92.9491, 96.1469,  
107.1246

■ 44.7637, 72.1096,  
68.5816

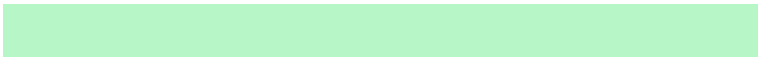
■ 93.1670, 96.2341,  
108.2723

■ 44.7431, 72.1005,  
68.5122

# Harmonies

## Analogous

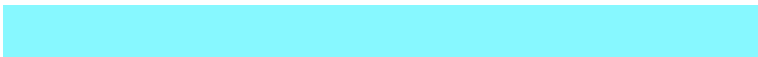
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6690, 80.0049, 66.3102



60.8772, 80.0049, 87.8352



62.8907, 80.0049, 113.3464

# Triad

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



60.8772, 80.0049, 87.8352



84.7224, 80.0049, 133.6432



84.2543, 80.0049, 52.3541

# Complementary

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



60.8772, 80.0049, 87.8352



57.0439, 44.7819, 42.6862

# 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.



90.9103, 80.0049, 65.2738



60.8772, 80.0049, 87.8352



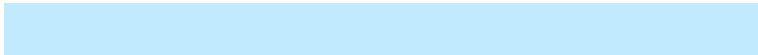
91.1943, 80.0049, 111.8636

# Square

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



60.8772, 80.0049, 87.8352



76.2945, 80.0049, 142.6381



93.5373, 80.0049, 86.3923

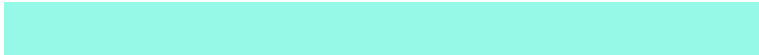


75.7906, 80.0049, 48.2676



# Rectangle

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



60.8772, 80.0049, 87.8352



66.2131, 80.0049, 128.5956



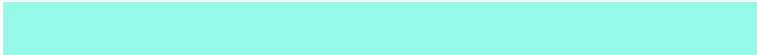
93.5373, 80.0049, 86.3923



86.7989, 80.0049, 55.6729

# Sweetspot

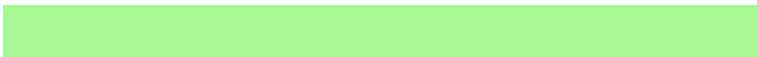
The Sweet Spot groups the original color and five complimentary colors.



60.8795, 80.0081, 87.8370



83.7915, 94.2981, 103.7642



55.5636, 78.2979, 41.0403



17.6952, 20.0625, 22.0929



0.0000, 0.0000, 0.0000

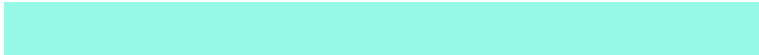


20.3446, 21.4041, 23.3091

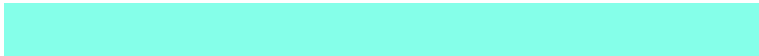


# Same Dimension

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



60.8795, 80.0081, 87.8370



60.0410, 82.3425, 89.6272



54.6598, 63.2879, 98.9610



17.6224, 19.5512, 21.4783



23.9981, 38.6122, 36.9288



2.2567, 3.5898, 3.5996



# Inverse Universe

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



57.0439, 44.7819, 42.6862



55.4773, 40.2875, 35.8000



61.1698, 55.5346, 36.3511



17.3735, 17.2768, 18.5565



21.2052, 10.8978, 2.5231

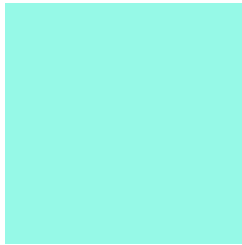


1.9980, 1.0229, 0.4127



# Previews

## White Background



This preview shows how the XYZ color 60.8772, 80.0049, 87.8352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

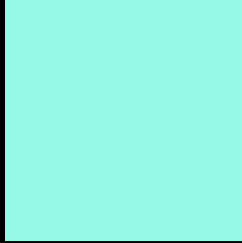
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8772, 80.0049, 87.8352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

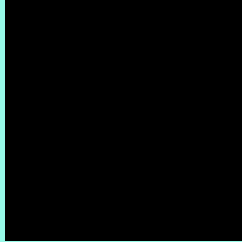
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.8772, 80.0049, 87.8352

## Background



This preview shows how black text looks on a background with the XYZ color 60.8772, 80.0049, 87.8352.



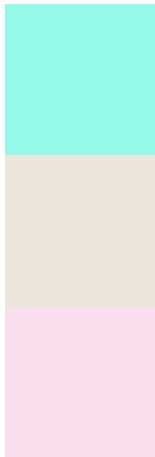
This preview shows how white text looks on a background with the XYZ color 60.8772, 80.0049,

87.8352.

# 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

60.8772, 80.0049, 87.8352

### Protanopia

75.5297, 79.0388, 78.9853

### Deuteranopia

80.7407, 79.0295, 91.1195



## Tritanopia

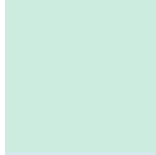
68.5015, 79.4853, 106.3395

# Trichromacy



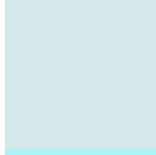
## Original Color

60.8772, 80.0049, 87.8352



## Protanomaly

68.6268, 78.3519, 82.0274



## Deuteranomaly

71.2926, 77.8575, 89.8677



## Tritanomaly

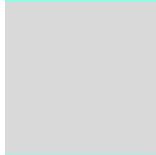
65.2627, 79.3011, 99.0557

# Monochromacy



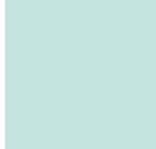
## Original Color

60.8772, 80.0049, 87.8352



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

63.1964, 72.6500, 79.7993

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8772, 80.0049, 87.8352 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(150, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(150, 249, 231)  
}
```

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(150, 249, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 249, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8772, 80.0049, 87.8352 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(150, 249, 231) }
```



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

```
.border{ border-color:rgb(150, 249, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 249, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(150, 249,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8772, 80.0049, 87.8352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 249, 231) }
```

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

```
.background{ background-color: rgb(150,  
249, 231) }
```

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