

Converting Colors

XYZ(63.6981, 84.2128, 90.4769)

Have a look what the booklet for
XYZ(63.6981, 84.2128, 90.4769)
contains.

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Color

**XYZ(63.7482, 84.2328,
90.7406)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFEA
RGB	153, 255, 234
RGB Percent	60%, 100%, 92%
CMY	0.4000, 0.0000, 0.0823
CMYK	0.40, 0.00, 0.08, 0.00
HSL	168°, 100%, 80%
HSV	168°, 40%, 100%
XYZ	63.7482, 84.2328, 90.7406
YIQ	222.1080, -54.0510, -28.1550

Conversions

Conversions Part 2

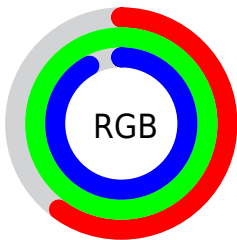
Format	Color
RYB	153, 210, 255
Decimal	10092522
CIELab	93.55, -34.54, 0.67
CIELCh	94, 34.542, 178.886
Yxy	84.2328, 0.2670, 0.3528
Android (android.graphics.Color)	4288282602 (0xFF99FFEA)
YUV	222.1080, 5.8628, -60.6077
Hunter-Lab	91.7784, -36.6283, 5.6254

Details

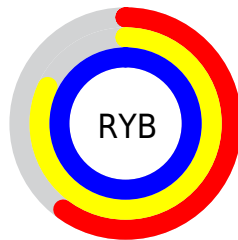
The XYZ color **63.7482, 84.2328, 90.7406** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.2721, 47.0998, 45.9599**, and the grayscale version is **69.4948, 73.1140, 79.6211**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.0538, 46.0893, 49.2735** is the 20% darker color. If you saturate the color by 10%, you get **58.6959, 81.7141, 86.6263**, and if you desaturate by 10%, it is **69.8532, 87.2916, 95.0237**.

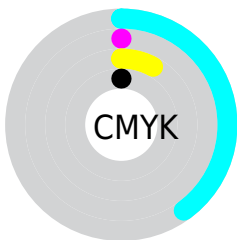
Distribution



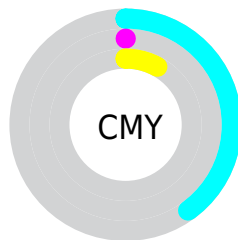
- Red (60%)
- Green (100%)
- Blue (92%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7482, 84.2328, 90.7406 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 63.7482, 84.2328, 90.7406 by changing the saturation by 10% instead.


 63.7482, 84.2328,
90.7406

 63.7482, 84.2328,
90.7406


427.8964,
509.0860, 551.0692

 46.7077, 63.2077,
68.0179


 109.3240,
139.3008, 150.3112

 33.0116, 46.0092,
49.4455


 138.5900,
174.1124, 187.9961

 22.2946, 32.2531,
34.6049


172.6618,
214.2883, 231.5056

 14.1914, 21.5549,
23.0776

211.9049,
260.2129, 281.2581

 8.3365, 13.5302,
14.4450

256.6845,
312.2706, 337.6722

 4.3646, 7.7947,
8.2885

307.3661,

 1.9104, 3.9638,

370.8457, 401.1663

4.1897

364.3149,
436.3227, 472.1592

■ 0.5829, 1.6534,
1.7300

■ 0.0000, 0.3932,
0.3812

■ 63.7482, 84.2328,
90.7406

■ 63.7482, 84.2328,
90.7406

■ 58.6959, 81.7141,
86.6263

■ 69.8532, 87.2916,
95.0237

■ 54.6271, 79.6999,
82.6722

■ 77.0683, 90.9201,
99.4750

■ 51.4687, 78.1524,
78.8754

■ 85.4505, 95.1476,
104.0996

■ 49.1361, 77.0282,
75.2310

95.0500, 100.0000,
108.9000

■ 47.5283, 76.2751,
71.7330

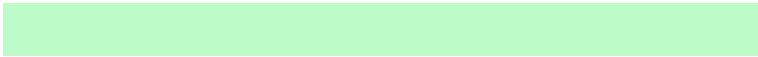
■ 46.4805, 75.8082,
68.3729

■ 46.4803, 75.8081,
68.3724

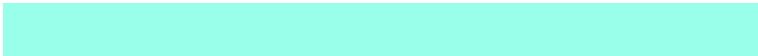
Harmonies

Analogous

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



65.9413, 84.2328, 68.0940



63.7482, 84.2328, 90.7406



65.6417, 84.2328, 118.2324

Triad

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



63.7482, 84.2328, 90.7406



88.8514, 84.2328, 143.2027



89.4870, 84.2328, 55.0293

Complementary

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



63.7482, 84.2328, 90.7406



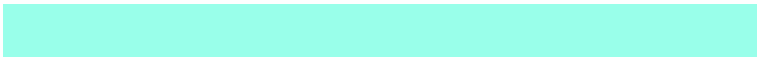
60.2721, 47.0998, 45.9599

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.



96.4504, 84.2328, 69.4925



63.7482, 84.2328, 90.7406



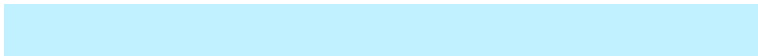
96.0642, 84.2328, 120.2504

Square

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



63.7482, 84.2328, 90.7406



79.7197, 84.2328, 151.7815



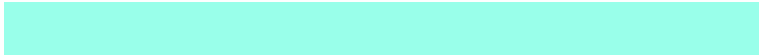
98.9427, 84.2328, 92.6968



80.4027, 84.2328, 50.0453

Rectangle

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



63.7482, 84.2328, 90.7406



69.0548, 84.2328, 135.0872



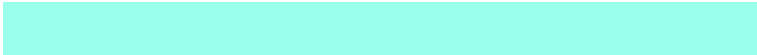
98.9427, 84.2328, 92.6968



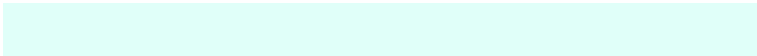
92.1781, 84.2328, 58.7893

Sweetspot

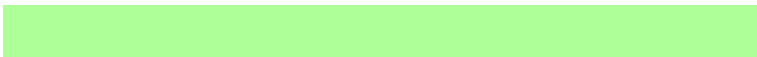
The Sweet Spot groups the original color and five complimentary colors.



63.7492, 84.2333, 90.7421



83.6768, 94.2521, 103.1599



59.2124, 82.9459, 43.0281



17.6681, 20.0516, 21.9500



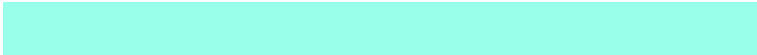
0.0000, 0.0000, 0.0000



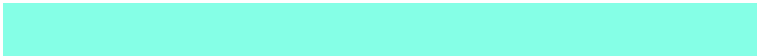
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7492, 84.2333, 90.7421



59.6249, 82.1761, 87.4357



58.4115, 68.4404, 104.7395



18.3852, 20.4136, 22.3315



24.3428, 39.6337, 36.0201



2.4086, 3.8744, 3.7098

Inverse Universe

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



60.2721, 47.0998, 45.9599



55.7271, 40.3874, 37.1154



63.6982, 56.9762, 37.7789



18.1623, 18.0482, 19.4718



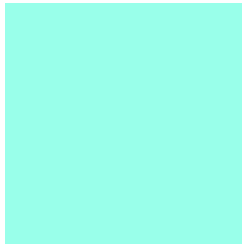
21.9212, 11.2578, 2.9696



2.1716, 1.1110, 0.4850

Previews

White Background



This preview shows how the XYZ color 63.7482, 84.2328, 90.7406 looks on a white background.

Color Contrast Check

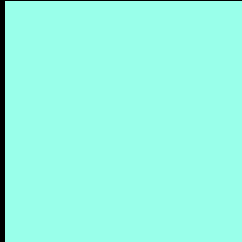
Large Text (above 18pt) WCAG AA × Fail

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 63.7482, 84.2328, 90.7406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

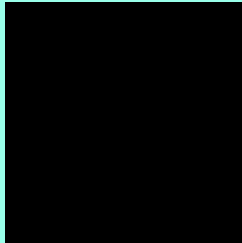
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7482, 84.2328, 90.7406

Background



This preview shows how black text looks on a background with the XYZ color 63.7482, 84.2328, 90.7406.



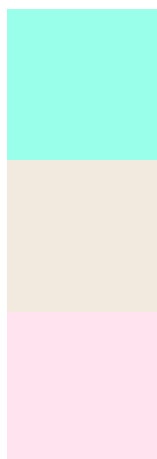
This preview shows how white text looks on a background with the XYZ color 63.7482, 84.2328,

90.7406.

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

63.7482, 84.2328, 90.7406

Protanopia

79.2256, 82.9968, 80.9516

Deuteranopia

84.7116, 83.0381, 94.0012



Tritanopia

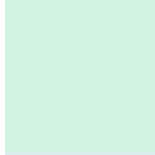
73.6538, 83.4633, 106.8358

Trichromacy



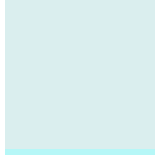
Original Color

63.7482, 84.2328, 90.7406



Protanomaly

72.0579, 82.6969, 84.1157



Deuteranomaly

74.9206, 82.2275, 92.8117



Tritanomaly

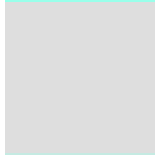
69.3407, 83.1820, 100.3968

Monochromacy



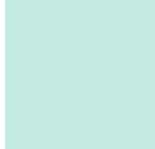
Original Color

63.7482, 84.2328, 90.7406



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.1762, 76.2069, 83.1731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7482, 84.2328, 90.7406 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(153, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 234)  
}
```

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(153, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 63.7482, 84.2328, 90.7406 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(153, 255, 234) }
```


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

```
.border{ border-color:rgb(153, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7482, 84.2328, 90.7406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 234) }
```

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

```
.background{ background-color: rgb(153,  
255, 234) }
```

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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