

Converting Colors

XYZ(74.2673, 105.4197,
94.6774)

Have a look what the booklet for
XYZ(74.2673, 105.4197, 94.6774)
contains.

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Color

**XYZ(63.7043, 84.1936,
91.4907)**

Conversions

Conversions Part 1

Format	Color
Hex	98FFEB
RGB	152, 255, 235
RGB Percent	60%, 100%, 92%
CMY	0.4039, 0.0000, 0.0784
CMYK	0.40, 0.00, 0.08, 0.00
HSL	168°, 100%, 80%
HSV	168°, 40%, 100%
XYZ	63.7043, 84.1936, 91.4907
YIQ	221.9230, -54.9680, -28.0560

Conversions

Conversions Part 2

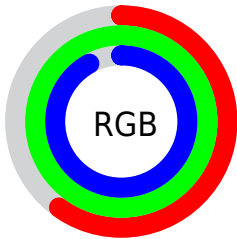
Format	Color
RYB	152, 209, 255
Decimal	10026987
CIELab	93.53, -34.56, 0.12
CIElCh	94, 34.563, 179.793
Yxy	84.1936, 0.2661, 0.3517
Android (android.graphics.Color)	4288217067 (0xFF98FFEB)
YUV	221.9230, 6.4470, -61.3225
Hunter-Lab	91.7571, -36.6474, 5.1121

Details

The XYZ color **63.7043, 84.1936, 91.4907** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.9154, 46.6963, 44.8860**, and the grayscale version is **69.3606, 72.9728, 79.4673**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **32.9469, 46.0225, 49.7946** is the 20% darker color. If you saturate the color by 10%, you get **58.7287, 81.7100, 87.5766**, and if you desaturate by 10%, it is **69.7276, 87.2148, 95.5606**.

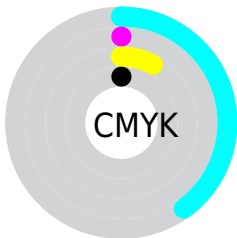
Distribution



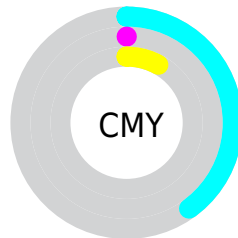
- Red (60%)
- Green (100%)
- Blue (92%)



- 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 63.7043, 84.1936, 91.4907 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 63.7043, 84.1936, 91.4907 by changing the saturation by 10% instead.


 63.7043, 84.1936,
91.4907


 63.7043, 84.1936,
91.4907


427.7402,
508.9559, 553.5629

 46.6720, 63.1753,
68.6370


 109.2611,
139.2460, 151.3609

 32.9833, 45.9830,
49.9462


 138.5163,
174.0488, 189.2145

 22.2728, 32.2324,
34.9998


172.5765,
214.2153, 232.9051

 14.1752, 21.5391,
23.3792

211.8071,
260.1298, 282.8513

 8.3252, 13.5186,
14.6658

256.5734,
312.1767, 339.4717

 4.3573, 7.7866,
8.4412

307.2408,

 1.9062, 3.9587,

370.7404, 403.1847

4.2867

364.1746,
436.2054, 474.4089

■ 0.5804, 1.6505,
1.7839

■ 0.0000, 0.3913,
0.4173

■ 63.7043, 84.1936,
91.4907

■ 63.7043, 84.1936,
91.4907

■ 58.7287, 81.7100,
87.5766

■ 69.7276, 87.2148,
95.5606

■ 54.7314, 79.7286,
83.8099

■ 76.8564, 90.8037,
99.7857

■ 51.6391, 78.2114,
80.1879

■ 85.1476, 94.9895,
104.1707

■ 49.3667, 77.1146,
76.7057

94.6532, 99.7990,
108.7189

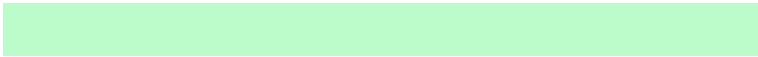
■ 47.8123, 76.3858, 95.0500, 100.0000,
73.3576 108.9000

■ 46.8385, 75.9514,
70.2586

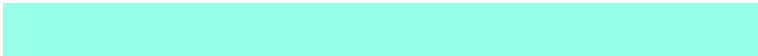
Harmonies

Analogous

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



65.7761, 84.1936, 68.6094



63.7043, 84.1936, 91.4907



65.7203, 84.1936, 119.0237

Triad

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



63.7043, 84.1936, 91.4907



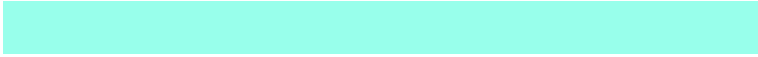
89.0771, 84.1936, 142.6565



89.1953, 84.1936, 54.6920

Complementary

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



63.7043, 84.1936, 91.4907



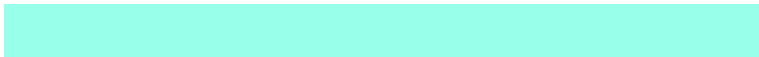
59.9154, 46.6963, 44.8860

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.



96.2645, 84.1936, 68.8695



63.7043, 84.1936, 91.4907



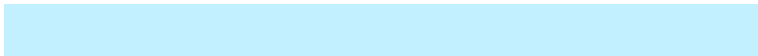
96.1927, 84.1936, 119.3992

Square

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



63.7043, 84.1936, 91.4907



79.9600, 84.1936, 151.7773



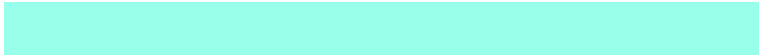
98.9157, 84.1936, 91.8546



80.0870, 84.1936, 49.9903

Rectangle

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



63.7043, 84.1936, 91.4907



69.2060, 84.1936, 135.7347



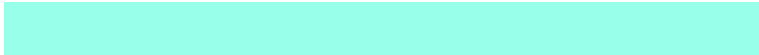
98.9157, 84.1936, 91.8546



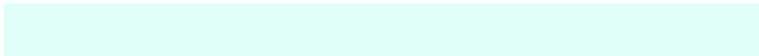
91.9133, 84.1936, 58.3556

Sweetspot

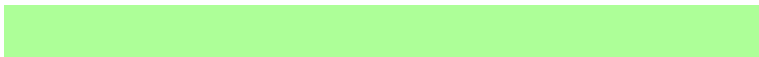
The Sweet Spot groups the original color and five complimentary colors.



63.7052, 84.1940, 91.4921



83.7326, 94.2745, 103.4541



58.5737, 82.6261, 42.5686



17.6813, 20.0569, 22.0196



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

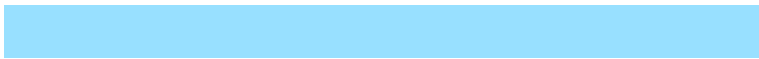
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7052, 84.1940, 91.4921



59.8268, 82.2568, 88.4990



57.6824, 67.2614, 104.5503



18.3947, 20.4174, 22.3817



24.5278, 39.7077, 36.9943



2.4251, 3.8810, 3.7964

Inverse Universe

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



59.9154, 46.6963, 44.8860



55.6046, 40.3384, 36.4704



63.8212, 57.3539, 37.4140



18.1535, 18.0447, 19.4254



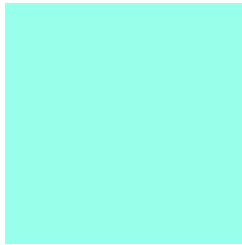
21.8848, 11.2432, 2.7780



2.1668, 1.1091, 0.4599

Previews

White Background



This preview shows how the XYZ color 63.7043, 84.1936, 91.4907 looks on a white background.

Color Contrast Check

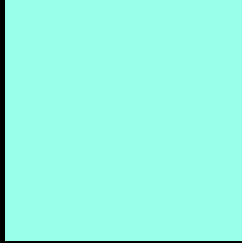
Large Text (above 18pt) WCAG AA × Fail

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 63.7043, 84.1936, 91.4907 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 63.7043, 84.1936, 91.4907

Background



This preview shows how black text looks on a background with the XYZ color 63.7043, 84.1936, 91.4907.

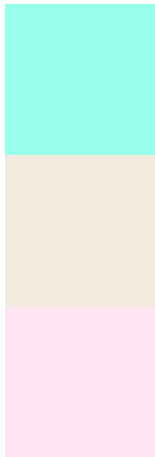


This preview shows how white text looks on a background with the XYZ color 63.7043, 84.1936,

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

63.7043, 84.1936, 91.4907

Protanopia

79.3601, 83.0506, 81.6597

Deuteranopia

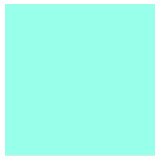
84.8606, 83.0977, 94.7859



Tritanopia

73.6538, 83.4633, 106.8358

Trichromacy



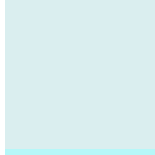
Original Color

63.7043, 84.1936, 91.4907



Protanomaly

71.9118, 82.6056, 84.8274



Deuteranomaly

75.0680, 82.2865, 93.5877



Tritanomaly

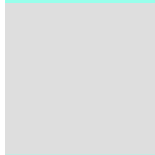
69.4954, 83.2439, 101.2118

Monochromacy



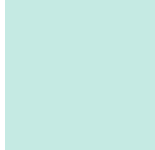
Original Color

63.7043, 84.1936, 91.4907



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.3139, 76.2620, 83.8980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7043, 84.1936, 91.4907 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(152, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 235)  
}
```

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(152, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 63.7043, 84.1936, 91.4907 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(152, 255, 235) }
```


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

```
.border{ border-color:rgb(152, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7043, 84.1936, 91.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 235) }
```

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

```
.background{ background-color: rgb(152,  
255, 235) }
```

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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