

Converting Colors

XYZ(88.0033, 132.1547,
109.7715)

Have a look what the booklet for
XYZ(88.0033, 132.1547, 109.7715)
contains.

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Color

**XYZ(64.0310, 84.1370,
101.6722)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFFF8
RGB	143, 255, 248
RGB Percent	56%, 100%, 97%
CMY	0.4392, 0.0000, 0.0274
CMYK	0.44, 0.00, 0.03, 0.00
HSL	176°, 100%, 78%
HSV	176°, 44%, 100%
XYZ	64.0310, 84.1370, 101.6722
YIQ	220.7140, -64.5050, -25.9210

Conversions

Conversions Part 2

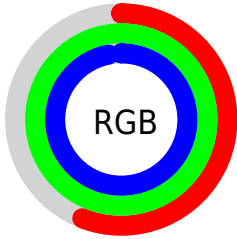
Format	Color
RYB	143, 201, 255
Decimal	9437176
CIELab	93.51, -33.71, -6.67
CIELCh	94, 34.364, 191.198
Yxy	84.1370, 0.2563, 0.3368
Android (android.graphics.Color)	4287627256 (0xFF8FFFF8)
YUV	220.7140, 13.4520, -68.1552
Hunter-Lab	91.7262, -35.9160, -1.5105

Details

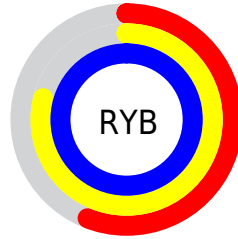
The XYZ color **64.0310, 84.1370, 101.6722** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.5684, 43.1084, 34.1947**, and the grayscale version is **68.4681, 72.0338, 78.4448**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **33.2758, 46.0329, 57.0006** is the 20% darker color. If you saturate the color by 10%, you get **59.8614, 82.0159, 100.1934**, and if you desaturate by 10%, it is **69.2080, 86.7771, 103.2120**.

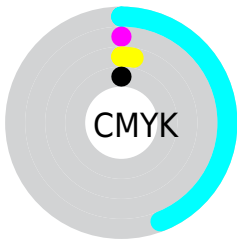
Distribution



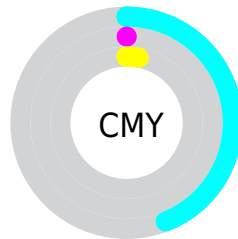
- Red (56%)
- Green (100%)
- Blue (97%)



- Red (56%)
- Yellow (79%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0310, 84.1370, 101.6722 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 64.0310, 84.1370, 101.6722 by changing the saturation by 10% instead.

64.0310, 84.1370,
101.6722

64.0310, 84.1370,
101.6722

428.9020,
508.7681, 586.8331

46.9376, 63.1286,
77.0731

109.7291,
139.1668, 165.5251

33.1940, 45.9452,
56.8010

139.0644,
173.9569, 205.6161

22.4351, 32.2026,
40.4372

173.2111,
214.1098, 251.7082

14.2953, 21.5163,
27.5632

212.5344,
260.0097, 304.2198

8.4094, 13.5019,
17.7605

257.3999,
312.0411, 363.5696

4.4120, 7.7751,
10.6105

308.1727,

1.9378, 3.9514,

370.5883, 430.1760

5.6947

365.2183,
436.0359, 504.4577

■ 0.5986, 1.6464,
2.5946

■ 0.0000, 0.3886,
0.8897

■ 64.0310, 84.1370,
101.6722

■ 64.0310, 84.1370,
101.6722

■ 59.8614, 82.0159,
100.1934

■ 69.2080, 86.7771,
103.2120

■ 56.6273, 80.3768,
98.7679

■ 75.4517, 89.9669,
104.8114

■ 54.2521, 79.1803,
97.3935

■ 82.8204, 93.7364,
106.4744

■ 52.6458, 78.3800,
96.0660

■ 91.3674, 98.1132,
108.2036

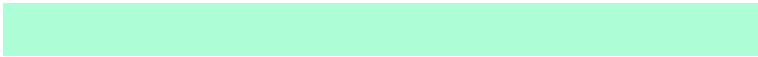
■ 51.6987, 77.9192, 95.0500, 100.0000,
94.7802 108.9000

■ 51.3497, 77.7559,
94.0144

Harmonies

Analogous

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



64.5493, 84.1370, 76.4166



64.0310, 84.1370, 101.6722



67.5346, 84.1370, 128.6648

Triad

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



64.0310, 84.1370, 101.6722



92.0341, 84.1370, 134.6376



85.7320, 84.1370, 51.9494

Complementary

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



64.0310, 84.1370, 101.6722



56.5684, 43.1084, 34.1947

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.



93.8445, 84.1370, 62.4561



64.0310, 84.1370, 101.6722



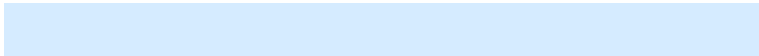
97.6689, 84.1370, 108.6966

Square

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



64.0310, 84.1370, 101.6722



83.4097, 84.1370, 149.9607



98.3555, 84.1370, 82.2363



76.6256, 84.1370, 50.7820

Rectangle

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



64.0310, 84.1370, 101.6722



71.8467, 84.1370, 142.8055



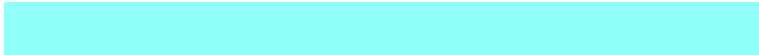
98.3555, 84.1370, 82.2363



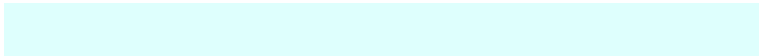
88.6830, 84.1370, 54.3977

Sweetspot

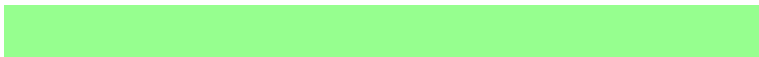
The Sweet Spot groups the original color and five complimentary colors.



64.0321, 84.1375, 101.6737



83.5565, 94.1132, 106.6306



53.3828, 80.0321, 38.6226



17.5100, 19.9524, 22.7433



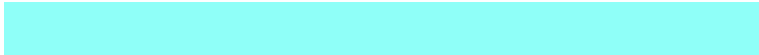
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.0321, 84.1375, 101.6737



60.2048, 82.1903, 100.3272



51.5628, 57.4287, 102.9749



18.5030, 20.4607, 22.9515



26.8524, 40.6375, 49.2353



2.6288, 3.9624, 4.8689

Inverse Universe

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



56.5684, 43.1084, 34.1947



51.8542, 36.2232, 24.7828



64.9462, 60.7391, 34.2893



18.0554, 18.0055, 18.9089



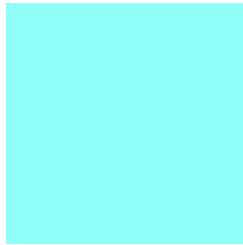
21.6148, 11.1352, 1.3563



2.1200, 1.0904, 0.2131

Previews

White Background



This preview shows how the XYZ color 64.0310, 84.1370, 101.6722 looks on a white background.

Color Contrast Check

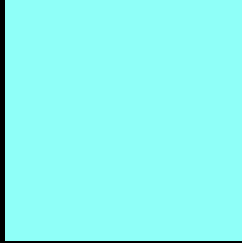
Large Text (above 18pt) WCAG AA × Fail

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 64.0310, 84.1370, 101.6722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

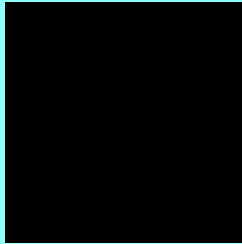
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0310, 84.1370, 101.6722

Background



This preview shows how black text looks on a background with the XYZ color 64.0310, 84.1370, 101.6722.

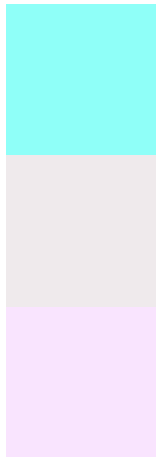


This preview shows how white text looks on a background with the XYZ color 64.0310, 84.1370,

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

64.0310, 84.1370, 101.6722

Protanopia

80.1597, 83.2525, 91.2013

Deuteranopia

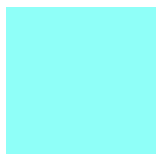
84.6997, 82.7823, 105.2804



Tritanopia

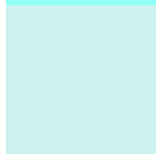
73.1656, 83.6571, 106.8989

Trichromacy



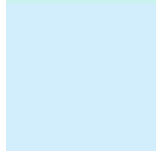
Original Color

64.0310, 84.1370, 101.6722



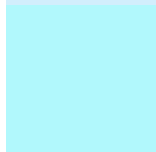
Protanomaly

72.3821, 82.6329, 94.5729



Deuteranomaly

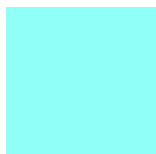
74.7236, 81.8790, 103.9613



Tritanomaly

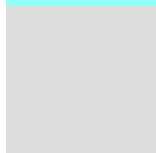
69.2696, 83.5102, 104.5636

Monochromacy



Original Color

64.0310, 84.1370, 101.6722



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.5550, 75.3848, 86.6969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0310, 84.1370, 101.6722 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(143, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 248)  
}
```

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(143, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 64.0310, 84.1370, 101.6722 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(143, 255, 248) }
```


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

```
.border{ border-color:rgb(143, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 255, 248); box-shadow:4px 4px 4px 4px rgb(143, 255, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0310, 84.1370, 101.6722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 248) }
```

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

```
.background{ background-color: rgb(143,  
255, 248) }
```

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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