

Converting Colors

XYZ(64.0533, 84.3549, 92.3477)

Have a look what the booklet for
XYZ(64.0533, 84.3549, 92.3477)
contains.

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Color

**XYZ(64.0372, 84.3484,
92.2626)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFEC
RGB	153, 255, 236
RGB Percent	60%, 100%, 93%
CMY	0.4000, 0.0000, 0.0745
CMYK	0.40, 0.00, 0.07, 0.00
HSL	169°, 100%, 80%
HSV	169°, 40%, 100%
XYZ	64.0372, 84.3484, 92.2626
YIQ	222.3360, -54.6930, -27.5330

Conversions

Conversions Part 2

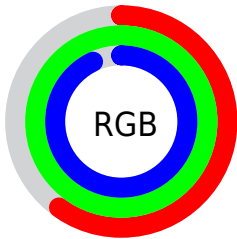
Format	Color
RYB	153, 209, 255
Decimal	10092524
CIELab	93.60, -34.09, -0.29
CIELCh	94, 34.092, 180.485
Yxy	84.3484, 0.2661, 0.3505
Android (android.graphics.Color)	4288282604 (0xFF99FFEC)
YUV	222.3360, 6.7364, -60.8077
Hunter-Lab	91.8414, -36.2618, 4.7270

Details

The XYZ color **64.0372, 84.3484, 92.2626** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.0785, 47.0224, 44.9405**, and the grayscale version is **69.6503, 73.2776, 79.7993**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.2562, 46.1703, 50.3390** is the 20% darker color. If you saturate the color by 10%, you get **59.0471, 81.8546, 88.4755**, and if you desaturate by 10%, it is **70.0760, 87.3807, 96.1974**.

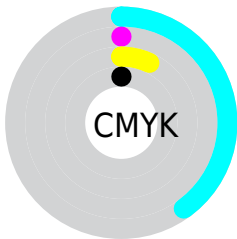
Distribution



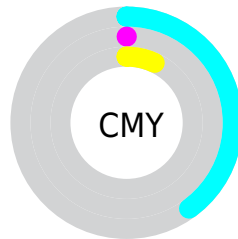
- Red (60%)
- Green (100%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0372, 84.3484, 92.2626 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 64.0372, 84.3484, 92.2626 by changing the saturation by 10% instead.

64.0372, 84.3484,
92.2626

64.0372, 84.3484,
92.2626

428.9241,
509.4695, 556.1227

46.9426, 63.3031,
69.2745

109.7379,
139.4624, 152.4402

33.1980, 46.0865,
50.4622

139.0748,
174.3000, 190.4667

22.4382, 32.3141,
35.4070

173.2231,
214.5037, 234.3431

14.2976, 21.6015,
23.6905

212.5482,
260.4581, 284.4880

8.4110, 13.5644,
14.8941

257.4155,
312.5474, 341.3199

4.4131, 7.8183,
8.5993

308.1904,

1.9384, 3.9789,

371.1562, 405.2573

4.3875

365.2381,
436.6687, 476.7187

■ 0.5990, 1.6618,
1.8403

■ 0.0000, 0.3987,
0.4543

■ 64.0372, 84.3484,
92.2626

■ 64.0372, 84.3484,
92.2626

■ 59.0471, 81.8546,
88.4755

■ 70.0760, 87.3807,
96.1974

■ 55.0365, 79.8636,
84.8280

■ 77.2210, 90.9812,
100.2791

■ 51.9324, 78.3379,
81.3172

■ 85.5288, 95.1789,
104.5125

■ 49.6502, 77.2338,
77.9384

95.0500, 100.0000,
108.9000

■ 48.0891, 76.4994,
74.6862

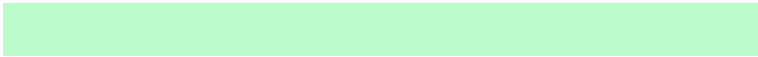
■ 47.0842, 76.0497,
71.5522

■ 47.0841, 76.0496,
71.5517

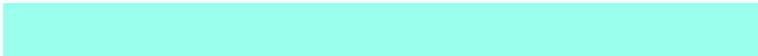
Harmonies

Analogous

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



65.9953, 84.3484, 69.4648



64.0372, 84.3484, 92.2626



66.1245, 84.3484, 119.4367

Triad

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



64.0372, 84.3484, 92.2626



89.3020, 84.3484, 141.6816



89.0288, 84.3484, 55.0202

Complementary

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



64.0372, 84.3484, 92.2626



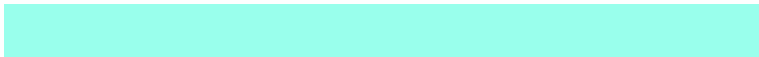
60.0785, 47.0224, 44.9405

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.



96.0771, 84.3484, 68.8614



64.0372, 84.3484, 92.2626



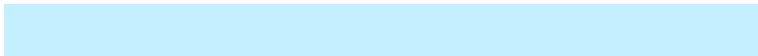
96.2430, 84.3484, 118.5703

Square

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



64.0372, 84.3484, 92.2626



80.3177, 84.3484, 151.0528



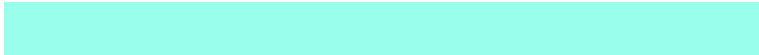
98.8089, 84.3484, 91.4208



80.0238, 84.3484, 50.5634

Rectangle

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



64.0372, 84.3484, 92.2626



69.6265, 84.3484, 135.7729



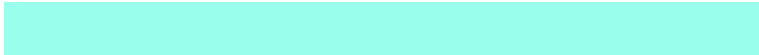
98.8089, 84.3484, 91.4208



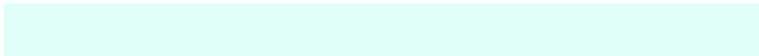
91.7289, 84.3484, 58.5835

Sweetspot

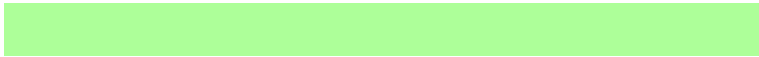
The Sweet Spot groups the original color and five complimentary colors.



64.0382, 84.3489, 92.2641



83.7704, 94.2896, 103.6529



58.8330, 82.7503, 43.0103



17.6902, 20.0605, 22.0666



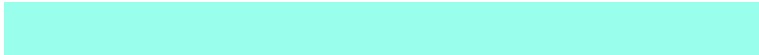
0.0000, 0.0000, 0.0000



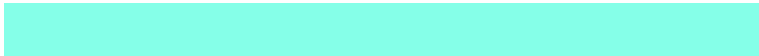
20.3446, 21.4041, 23.3091

Same Dimension

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



64.0382, 84.3489, 92.2641



59.9639, 82.3117, 89.2213



57.9512, 67.5199, 104.5860



18.4012, 20.4200, 22.4156



24.6546, 39.7584, 37.6619



2.4364, 3.8855, 3.8557

Inverse Universe

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



60.0785, 47.0224, 44.9405



55.5228, 40.3057, 36.0396



64.0482, 57.6762, 37.8956



18.1476, 18.0423, 19.3942



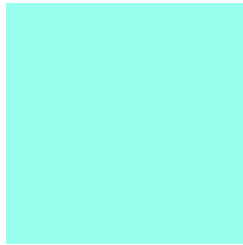
21.8615, 11.2339, 2.6552



2.1637, 1.1079, 0.4436

Previews

White Background



This preview shows how the XYZ color 64.0372, 84.3484, 92.2626 looks on a white background.

Color Contrast Check

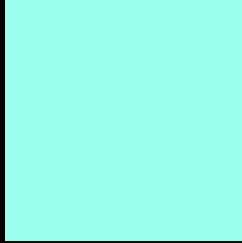
Large Text (above 18pt) WCAG AA × Fail

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 64.0372, 84.3484, 92.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

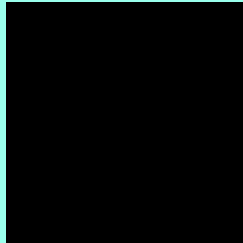
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

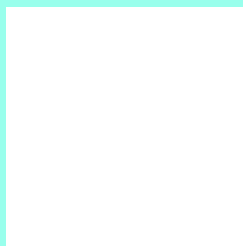
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0372, 84.3484, 92.2626

Background



This preview shows how black text looks on a background with the XYZ color 64.0372, 84.3484, 92.2626.



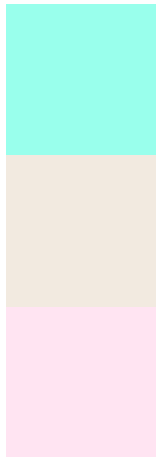
This preview shows how white text looks on a background with the XYZ color 64.0372, 84.3484,

92.2626.

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

64.0372, 84.3484, 92.2626

Protanopia

79.4953, 83.1047, 82.3720

Deuteranopia

85.0104, 83.1576, 95.5749



Tritanopia

73.6538, 83.4633, 106.8358

Trichromacy



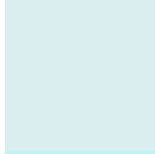
Original Color

64.0372, 84.3484, 92.2626



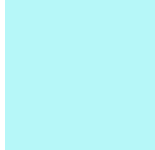
Protanomaly

72.3341, 82.8073, 85.5698



Deuteranomaly

75.2162, 82.3458, 94.3681



Tritanomaly

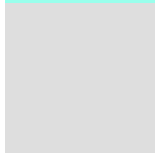
69.4954, 83.2439, 101.2118

Monochromacy



Original Color

64.0372, 84.3484, 92.2626



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 64.0372, 84.3484, 92.2626 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.0372, 84.3484, 92.2626 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, 236) }
```


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

```
.border{ border-color:rgb(153, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0372, 84.3484, 92.2626 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, 236) }
```

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

```
.background{ background-color: rgb(153,  
255, 236) }
```

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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