

Converting Colors

XYZ(64.4201, 84.3027,
103.2651)

Have a look what the booklet for
XYZ(64.4201, 84.3027, 103.2651)
contains.

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Color

**XYZ(64.5169, 84.3514,
103.3235)**

Conversions

Conversions Part 1

Format	Color
Hex	90FFFA
RGB	144, 255, 250
RGB Percent	56%, 100%, 98%
CMY	0.4353, 0.0000, 0.0196
CMYK	0.44, 0.00, 0.02, 0.00
HSL	177°, 100%, 78%
HSV	177°, 44%, 100%
XYZ	64.5169, 84.3514, 103.3235
YIQ	221.2410, -64.5510, -25.0870

Conversions

Conversions Part 2

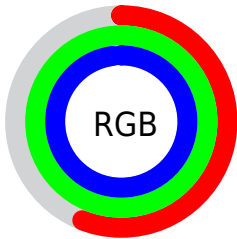
Format	Color
RYB	144, 201, 255
Decimal	9502714
CIELab	93.60, -33.00, -7.57
CIELCh	94, 33.861, 192.911
Yxy	84.3514, 0.2558, 0.3345
Android (android.graphics.Color)	4287692794 (0xFF90FFFA)
YUV	221.2410, 14.1782, -67.7404
Hunter-Lab	91.8430, -35.3345, -2.4112

Details

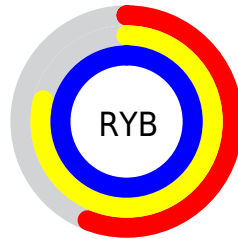
The XYZ color **64.5169, 84.3514, 103.3235** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.6390, 43.3779, 33.8226**, and the grayscale version is **68.8328, 72.4175, 78.8626**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **33.5878, 46.1680, 58.1800** is the 20% darker color. If you saturate the color by 10%, you get **60.3760, 82.2374, 102.1940**, and if you desaturate by 10%, it is **69.6669, 86.9854, 104.5089**.

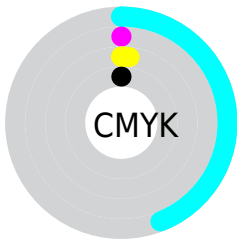
Distribution



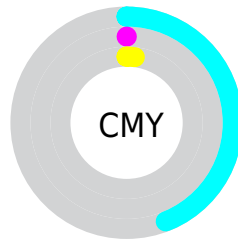
- Red (56%)
- Green (100%)
- Blue (98%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5169, 84.3514, 103.3235 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 64.5169, 84.3514, 103.3235 by changing the saturation by 10% instead.


 64.5169, 84.3514,
103.3235

 64.5169, 84.3514,
103.3235


430.6266,
509.4794, 592.1338

 47.3327, 63.3056,
78.4467


 110.4246,
139.4666, 167.8086

 33.5078, 46.0885,
57.9224


 139.8788,
174.3048, 208.2539

 22.6768, 32.3156,
41.3320


174.1537,
214.5093, 254.7259

 14.4744, 21.6027,
28.2569

213.6148,
260.4644, 307.6430

 8.5353, 13.5653,
18.2787

258.6272,
312.5546, 367.4238

 4.4940, 7.8189,
10.9788

309.5564,

 1.9852, 3.9793,

371.1643, 434.4869

5.9386

366.7677,
436.6777, 509.2507

■ 0.6256, 1.6620,
2.7396

■ 0.0000, 0.3989,
0.9633

■ 64.5169, 84.3514,
103.3235

■ 64.5169, 84.3514,
103.3235

■ 60.3760, 82.2374,
102.1940

■ 69.6669, 86.9854,
104.5089

■ 57.1722, 80.6064,
101.1126

■ 75.8849, 90.1699,
105.7485

■ 54.8297, 79.4193,
100.0772

■ 83.2291, 93.9349,
107.0466

■ 53.2589, 78.6299,
99.0836

■ 91.7525, 98.3076,
108.4056

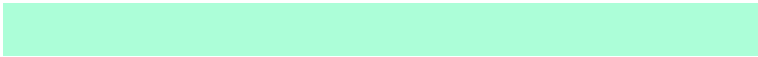
■ 52.3511, 78.1821, 95.0500, 100.0000,
98.1268 108.9000

■ 52.0159, 78.0223,
97.5223

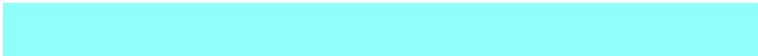
Harmonies

Analogous

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



64.7987, 84.3514, 78.0870



64.5169, 84.3514, 103.3235



68.1987, 84.3514, 129.7273

Triad

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



64.5169, 84.3514, 103.3235



92.4930, 84.3514, 132.9573



85.3466, 84.3514, 52.2741

Complementary

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



64.5169, 84.3514, 103.3235



56.6390, 43.3779, 33.8226

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.



93.4738, 84.3514, 62.1635



64.5169, 84.3514, 103.3235



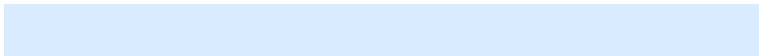
97.8060, 84.3514, 107.1294

Square

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



64.5169, 84.3514, 103.3235



84.0874, 84.3514, 148.8614



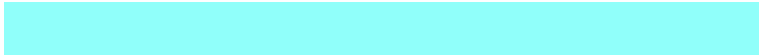
98.1778, 84.3514, 81.2485



76.3829, 84.3514, 51.6370

Rectangle

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



64.5169, 84.3514, 103.3235



72.5768, 84.3514, 143.1846



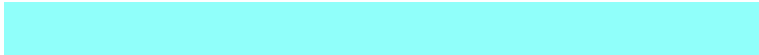
98.1778, 84.3514, 81.2485



88.2826, 84.3514, 54.5283

Sweetspot

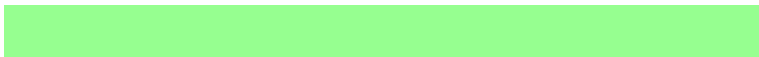
The Sweet Spot groups the original color and five complimentary colors.



64.5180, 84.3519, 103.3250



83.6488, 94.1501, 107.1167



53.2902, 79.9756, 39.0156



17.5331, 19.9616, 22.8648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

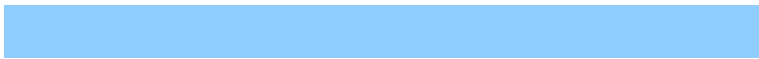
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5180, 84.3519, 103.3250



60.9462, 82.5282, 102.3635



51.3962, 56.8373, 102.8696



18.5174, 20.4665, 23.0278



27.1949, 40.7746, 51.0393



2.6584, 3.9743, 5.0248

Inverse Universe

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



56.6390, 43.3779, 33.8226



52.1695, 36.8458, 24.9127



65.5556, 61.8362, 34.8678



18.0425, 18.0003, 18.8411



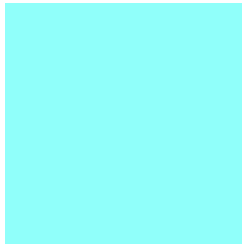
21.5960, 11.1277, 1.2569



2.1139, 1.0879, 0.1810

Previews

White Background



This preview shows how the XYZ color 64.5169, 84.3514, 103.3235 looks on a white background.

Color Contrast Check

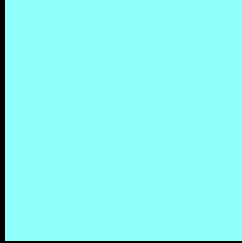
Large Text (above 18pt) WCAG AA × Fail

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 64.5169, 84.3514, 103.3235 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 64.5169, 84.3514, 103.3235

Background



This preview shows how black text looks on a background with the XYZ color 64.5169, 84.3514, 103.3235.

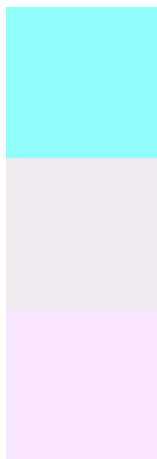


This preview shows how white text looks on a background with the XYZ color 64.5169, 84.3514,

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

64.5169, 84.3514, 103.3235

Protanopia

80.4520, 83.3694, 92.7405

Deuteranopia

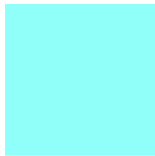
84.7807, 83.2151, 106.2014



Tritanopia

73.4266, 83.7917, 106.9112

Trichromacy



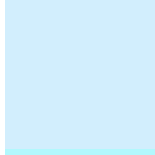
Original Color

64.5169, 84.3514, 103.3235



Protanomaly

72.6810, 82.7524, 96.1465



Deuteranomaly

74.8825, 81.9426, 104.7983



Tritanomaly

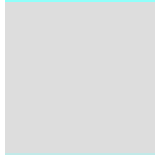
69.6571, 83.6916, 105.4113

Monochromacy



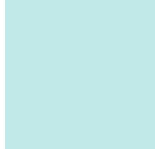
Original Color

64.5169, 84.3514, 103.3235



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.6967, 75.4415, 87.4430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5169, 84.3514, 103.3235 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(144, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 250)  
}
```

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(144, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 250) }
```

Border

The CSS property to change the border of an element to XYZ 64.5169, 84.3514, 103.3235 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(144, 255, 250) }
```


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

```
.border{ border-color:rgb(144, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5169, 84.3514, 103.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 250) }
```

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

```
.background{ background-color: rgb(144,  
255, 250) }
```

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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