

Converting Colors

XYZ(69.4827, 86.9334,
102.6671)

Have a look what the booklet for
XYZ(69.4827, 86.9334, 102.6671)
contains.

XYZ(69.4364, 86.9056, 102.7373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.4364, 86.9056,
102.7373)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFF9
RGB	170, 255, 249
RGB Percent	67%, 100%, 98%
CMY	0.3333, 0.0000, 0.0235
CMYK	0.33, 0.00, 0.02, 0.00
HSL	176°, 100%, 83%
HSV	176°, 33%, 100%
XYZ	69.4364, 86.9056, 102.7373
YIQ	228.9010, -48.7340, -19.8860

Conversions

Conversions Part 2

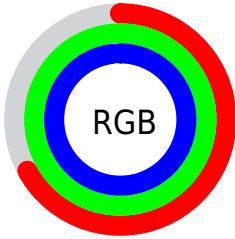
Format	Color
RYB	170, 214, 255
Decimal	11206649
CIELab	94.70, -26.83, -5.31
CIELCh	95, 27.349, 191.185
Yxy	86.9056, 0.2680, 0.3354
Android (android.graphics.Color)	4289396729 (0xFFFAAFF9)
YUV	228.9010, 9.9088, -51.6562
Hunter-Lab	93.2232, -30.1865, -0.0848

Details

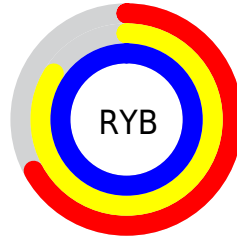
The XYZ color **69.4364, 86.9056, 102.7373** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.4520, 53.1453, 47.9889**, and the grayscale version is **74.3585, 78.2309, 85.1935**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **36.7592, 47.8158, 57.7440** is the 20% darker color. If you saturate the color by 10%, you get **64.1694, 84.2226, 101.0339**, and if you desaturate by 10%, it is **75.7772, 90.1418, 104.5079**.

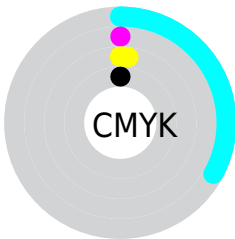
Distribution



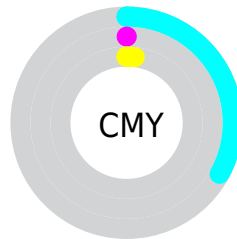
- Red (67%)
- Green (100%)
- Blue (98%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4364, 86.9056, 102.7373 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 69.4364, 86.9056, 102.7373 by changing the saturation by 10% instead.

69.4364, 86.9056,
102.7373

69.4364, 86.9056,
102.7373

447.8660,
517.9126, 590.2550

51.3451, 65.4171,
77.9590

117.4353,
143.0326, 166.9984

36.7055, 47.7994,
57.5240

148.0737,
178.4398, 207.3182

25.1522, 33.6680,
41.0139

183.6251,
219.2554, 253.6556

16.3198, 22.6387,
28.0102

224.4550,
265.8637, 306.4291

9.8430, 14.3269,
18.0942

270.9287,
318.6492, 366.0572

5.3565, 8.3484,
10.8475

323.4115,

2.4948, 4.3187,

377.9963, 432.9586

5.8515

382.2688,
444.2893, 507.5516

■ 0.8926, 1.8534,
2.6877

■ 0.0000, 0.5201,
0.9372

■ 69.4364, 86.9056,
102.7373

■ 69.4364, 86.9056,
102.7373

■ 64.1694, 84.2226,
101.0339

■ 75.7772, 90.1418,
104.5079

■ 59.9112, 82.0594,
99.3903

■ 83.2459, 93.9591,
106.3439

■ 56.5942, 80.3811,
97.8047

■ 91.8964, 98.3854,
108.2493

■ 54.1417, 79.1481,
96.2734

95.0500, 100.0000,
108.9000

■ 52.4643, 78.3144,
94.7923

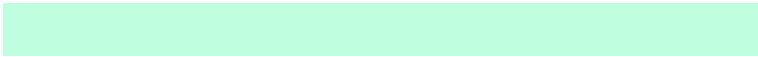
■ 51.4539, 77.8243,
93.3563

■ 51.0467, 77.6347,
92.4189

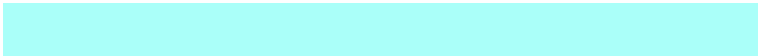
Harmonies

Analogous

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



69.8730, 86.9056, 82.1034



69.4364, 86.9056, 102.7373



72.3664, 86.9056, 124.0180

Triad

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



69.4364, 86.9056, 102.7373



92.3114, 86.9056, 128.6586



87.2671, 86.9056, 61.1081

Complementary

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



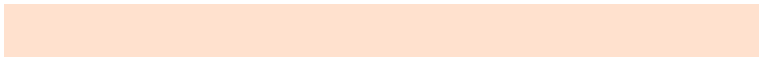
69.4364, 86.9056, 102.7373



63.4520, 53.1453, 47.9889

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.



93.7581, 86.9056, 70.2876



69.4364, 86.9056, 102.7373



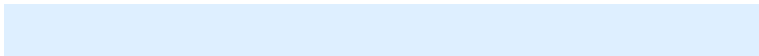
96.7881, 86.9056, 108.3599

Square

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



69.4364, 86.9056, 102.7373



85.3871, 86.9056, 140.4023



97.3328, 86.9056, 86.9522



79.8765, 86.9056, 60.0674

Rectangle

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



69.4364, 86.9056, 102.7373



75.9428, 86.9056, 134.9280



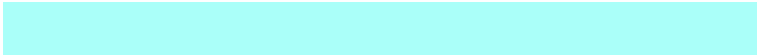
97.3328, 86.9056, 86.9522



89.6378, 86.9056, 63.2722

Sweetspot

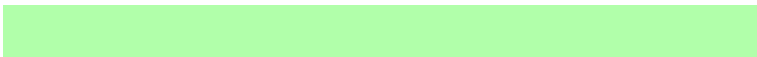
The Sweet Spot groups the original color and five complimentary colors.



69.4374, 86.9061, 102.7388



85.9945, 95.3650, 106.9709



61.1671, 83.7797, 50.9791



18.1548, 20.2833, 22.8394



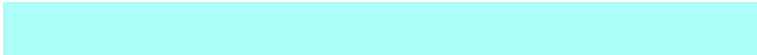
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



69.4374, 86.9061, 102.7388



65.8094, 85.0573, 101.5950



60.1126, 66.7351, 104.3206



18.4963, 20.4580, 22.9163



26.6965, 40.5752, 48.4146



2.6153, 3.9570, 4.7979

Inverse Universe

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



63.4520, 53.1453, 47.9889



58.9937, 46.5875, 39.2316



70.4276, 68.0256, 47.4501



18.0614, 18.0079, 18.9403



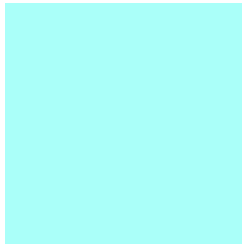
21.6247, 11.1392, 1.4081



2.1228, 1.0915, 0.2280

Previews

White Background



This preview shows how the XYZ color 69.4364, 86.9056, 102.7373 looks on a white background.

Color Contrast Check

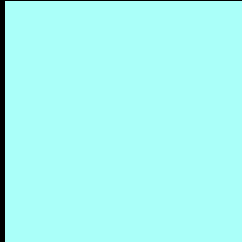
Large Text (above 18pt) WCAG AA × Fail

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 69.4364, 86.9056, 102.7373 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 69.4364, 86.9056, 102.7373

Background



This preview shows how black text looks on a background with the XYZ color 69.4364, 86.9056, 102.7373.

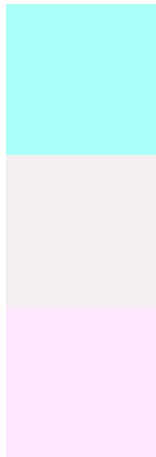


This preview shows how white text looks on a background with the XYZ color 69.4364, 86.9056,

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

69.4364, 86.9056, 102.7373

Protanopia

83.1167, 86.4358, 93.9644

Deuteranopia

87.9860, 86.1290, 105.7531



Tritanopia

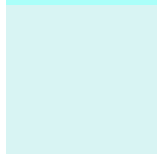
77.8538, 86.5219, 107.2048

Trichromacy



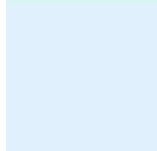
Original Color

69.4364, 86.9056, 102.7373



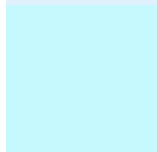
Protanomaly

76.8472, 85.7714, 97.2993



Deuteranomaly

79.4712, 85.1957, 104.3513



Tritanomaly

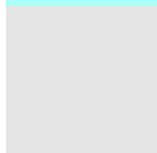
74.6313, 86.7135, 105.7324

Monochromacy



Original Color

69.4364, 86.9056, 102.7373



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7273, 80.6151, 91.1367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4364, 86.9056, 102.7373 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(170, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 249)  
}
```

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(170, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 69.4364, 86.9056, 102.7373 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(170, 255, 249) }
```


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

```
.border{ border-color:rgb(170, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4364, 86.9056, 102.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 249) }
```

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

```
.background{ background-color: rgb(170,  
255, 249) }
```

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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