

Converting Colors

XYZ(67.2320, 86.0452, 90.1643)

Have a look what the booklet for
XYZ(67.2320, 86.0452, 90.1643)
contains.

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Color

**XYZ(67.2626, 86.0611,
90.1571)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFFE9
RGB	171, 255, 233
RGB Percent	67%, 100%, 91%
CMY	0.3294, 0.0000, 0.0863
CMYK	0.33, 0.00, 0.09, 0.00
HSL	164°, 100%, 84%
HSV	164°, 33%, 100%
XYZ	67.2626, 86.0611, 90.1571
YIQ	227.3760, -43.0020, -24.6500

Conversions

Conversions Part 2

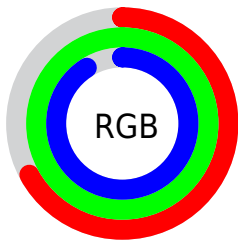
Format	Color
RYB	171, 219, 255
Decimal	11272169
CIELab	94.34, -30.03, 2.43
CIELCh	94, 30.126, 175.369
Yxy	86.0611, 0.2763, 0.3535
Android (android.graphics.Color)	4289462249 (0xFFABFFE9)
YUV	227.3760, 2.7726, -49.4418
Hunter-Lab	92.7691, -32.9239, 7.3178

Details

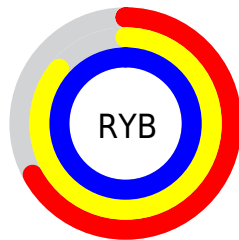
The XYZ color **67.2626, 86.0611, 90.1571** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.4293, 54.2374, 57.4732**, and the grayscale version is **73.2902, 77.1070, 83.9695**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **35.2001, 47.2073, 48.8517** is the 20% darker color. If you saturate the color by 10%, you get **61.2979, 83.0943, 84.9926**, and if you desaturate by 10%, it is **74.3368, 89.5956, 95.5649**.

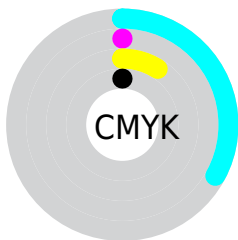
Distribution



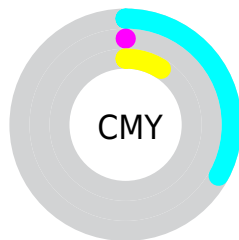
- Red (67%)
- Green (100%)
- Blue (91%)



- Red (67%)
- Yellow (86%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2626, 86.0611, 90.1571 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 67.2626, 86.0611, 90.1571 by changing the saturation by 10% instead.


 67.2626, 86.0611,
90.1571

 67.2626, 86.0611,
90.1571


440.2967,
515.1327, 549.1250

 49.5695, 64.7185,
67.5365


 114.3443,
141.8547, 149.4940

 35.2879, 47.2329,
49.0564


144.4637,
177.0746, 187.0474

 24.0523, 33.2198,
34.2983


179.4559,
217.6890, 230.4155

 15.4973, 22.2949,
22.8437

219.6863,
264.0823, 280.0168

 9.2578, 14.0737,
14.2739

265.5202,
316.6389, 336.2699

 4.9681, 8.1720,
8.1705

317.3230,

 2.2631, 4.2052,

375.7432, 399.5932

4.1149

375.4601,
441.7797, 470.4054

■ 0.7757, 1.7890,
1.6886

■ 0.0000, 0.4803,
0.3529

■ 67.2626, 86.0611,
90.1571

■ 67.2626, 86.0611,
90.1571

■ 61.2979, 83.0943,
84.9926

■ 74.3368, 89.5956,
95.5649

■ 56.3775, 80.6618,
80.0620

■ 82.5748, 93.7260,
101.2162

■ 52.4339, 78.7288,
75.3615

■ 92.0310, 98.4800,
107.1171

■ 49.3902, 77.2556,
70.8853

95.0500, 100.0000,
108.9000

■ 47.1573, 76.1965,
66.6272

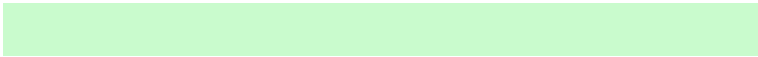
■ 45.6276, 75.4959,
62.5798

■ 44.8606, 75.1602,
59.8429

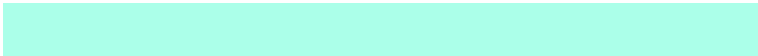
Harmonies

Analogous

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



69.6633, 86.0611, 70.6153



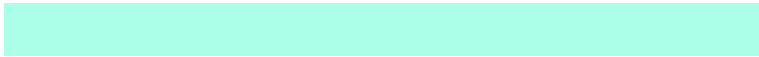
67.2626, 86.0611, 90.1571



68.5417, 86.0611, 114.1024

Triad

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



67.2626, 86.0611, 90.1571



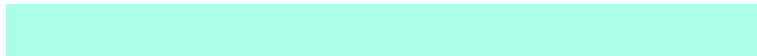
88.6407, 86.0611, 139.9610



90.9540, 86.0611, 61.6414

Complementary

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



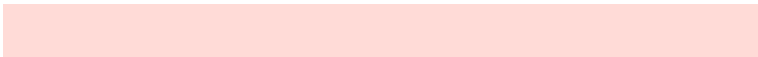
67.2626, 86.0611, 90.1571



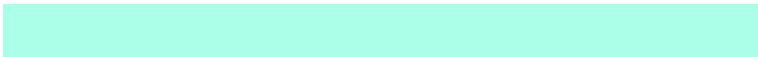
65.4293, 54.2374, 57.4732

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.



96.6631, 86.0611, 75.8976



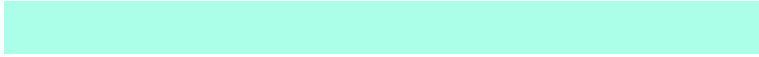
67.2626, 86.0611, 90.1571



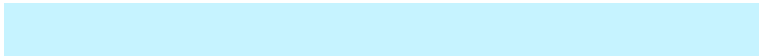
95.2669, 86.0611, 121.3501

Square

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



67.2626, 86.0611, 90.1571



80.5498, 86.0611, 145.4505



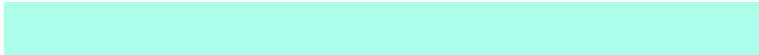
98.2908, 86.0611, 97.3466



83.0600, 86.0611, 55.9690

Rectangle

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



67.2626, 86.0611, 90.1571



71.3567, 86.0611, 129.0909



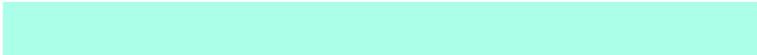
98.2908, 86.0611, 97.3466



93.2122, 86.0611, 65.4614

Sweetspot

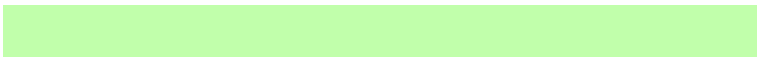
The Sweet Spot groups the original color and five complimentary colors.



67.2635, 86.0616, 90.1586



85.2261, 95.0577, 102.9249



65.2060, 85.8508, 51.6638



17.9678, 20.2085, 21.8548



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

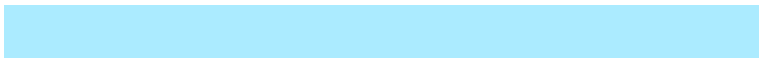
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2635, 86.0616, 90.1586



62.9403, 83.9097, 86.4867



64.6685, 75.5247, 105.7771



18.3398, 20.3954, 22.0923



23.5052, 39.2987, 31.6095



2.3335, 3.8443, 3.3141

Inverse Universe

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



65.4293, 54.2374, 57.4732



60.8402, 47.3261, 48.9551



67.1352, 61.2888, 46.8212



18.2046, 18.0652, 19.6948



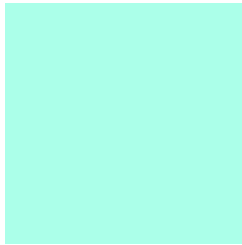
22.1264, 11.3398, 4.0501



2.1969, 1.1212, 0.6185

Previews

White Background



This preview shows how the XYZ color 67.2626, 86.0611, 90.1571 looks on a white background.

Color Contrast Check

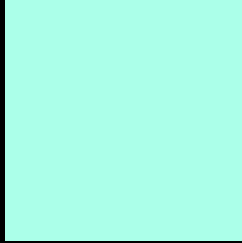
Large Text (above 18pt) WCAG AA × Fail

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 67.2626, 86.0611, 90.1571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

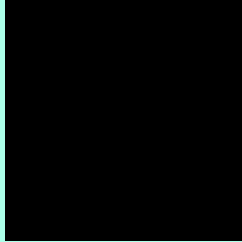
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

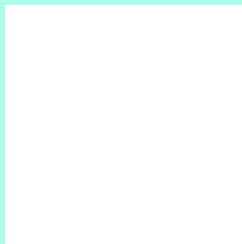
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2626, 86.0611, 90.1571

Background



This preview shows how black text looks on a background with the XYZ color 67.2626, 86.0611, 90.1571.

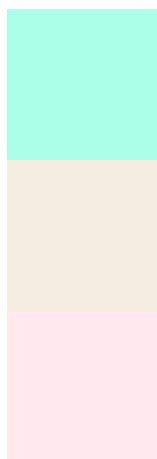


This preview shows how white text looks on a background with the XYZ color 67.2626, 86.0611,

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

67.2626, 86.0611, 90.1571

Protanopia

81.2597, 85.3086, 81.9954

Deuteranopia

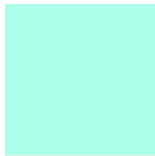
85.5292, 85.1463, 92.8159



Tritanopia

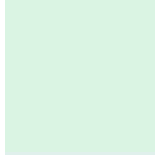
76.9790, 85.6230, 107.0774

Trichromacy



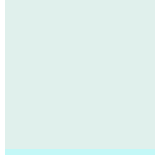
Original Color

67.2626, 86.0611, 90.1571



Protanomaly

75.1293, 85.1528, 85.1495



Deuteranomaly

77.0409, 84.2236, 91.5532



Tritanomaly

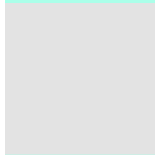
73.1209, 85.5860, 100.6616

Monochromacy



Original Color

67.2626, 86.0611, 90.1571



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1592, 79.4909, 85.7742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2626, 86.0611, 90.1571 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(171, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 233)  
}
```

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(171, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.2626, 86.0611, 90.1571 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(171, 255, 233) }
```


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

```
.border{ border-color:rgb(171, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2626, 86.0611, 90.1571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 233) }
```

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

```
.background{ background-color: rgb(171,  
255, 233) }
```

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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