

Converting Colors

XYZ(69.4035, 87.0198, 96.8103)

Have a look what the booklet for
XYZ(69.4035, 87.0198, 96.8103)
contains.

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Color

**XYZ(69.4662, 87.0448,
97.1445)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFFF2
RGB	175, 255, 242
RGB Percent	69%, 100%, 95%
CMY	0.3137, 0.0000, 0.0510
CMYK	0.31, 0.00, 0.05, 0.00
HSL	170°, 100%, 84%
HSV	170°, 31%, 100%
XYZ	69.4662, 87.0448, 97.1445
YIQ	229.5980, -43.5070, -21.0030

Conversions

Conversions Part 2

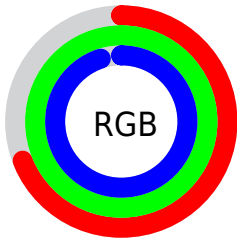
Format	Color
R_{YB}	175, 219, 255
Decimal	11534322
CIE _{Lab}	94.76, -27.02, -1.58
CIE _{LCh}	95, 27.065, 183.340
Y _{xy}	87.0448, 0.2739, 0.3432
Android (android.graphics.Color)	4289724402 (0xFFAFF2)
YUV	229.5980, 6.1142, -47.8824
Hunter-Lab	93.2978, -30.3665, 3.5739

Details

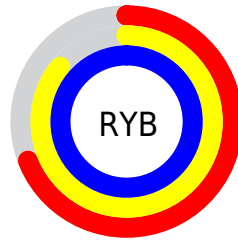
The XYZ color **69.4662, 87.0448, 97.1445** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.6478, 55.5520, 54.8402**, and the grayscale version is **74.8960, 78.7964, 85.8093**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **36.6648, 47.8553, 53.7589** is the 20% darker color. If you saturate the color by 10%, you get **63.6582, 84.1217, 93.6620**, and if you desaturate by 10%, it is **76.3708, 90.5315, 100.7548**.

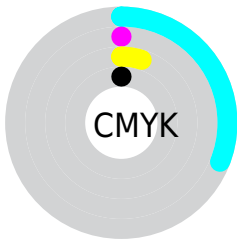
Distribution



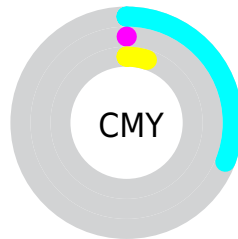
- Red (69%)
- Green (100%)
- Blue (95%)



- Red (69%)
- Yellow (86%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4662, 87.0448, 97.1445 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 69.4662, 87.0448, 97.1445 by changing the saturation by 10% instead.


 69.4662, 87.0448,
97.1445

 69.4662, 87.0448,
97.1445


447.9692,
518.3701, 572.1666

 51.3695, 65.5323,
73.3144

 117.4776,
143.2266, 159.2450

 36.7250, 47.8928,
53.7397


148.1231,
178.6646, 198.3525

 25.1673, 33.7420,
38.0018

183.6821,
219.5133, 243.3895

 16.3312, 22.6955,
25.6823

224.5202,
266.1570, 294.7746

 9.8511, 14.3688,
16.3625

271.0025,
318.9802, 352.9263

 5.3619, 8.3776,
9.6239

323.4946,

 2.4980, 4.3375,

378.3671, 418.2632

5.0480

382.3617,
444.7023, 491.2038

■ 0.8943, 1.8641,
2.2162

■ 0.0000, 0.5267,
0.6837

■ 69.4662, 87.0448,
97.1445

■ 69.4662, 87.0448,
97.1445

■ 63.6582, 84.1217,
93.6620

■ 76.3708, 90.5315,
100.7548

■ 58.8830, 81.7295,
90.2995

■ 84.4256, 94.6095,
104.4916

■ 55.0743, 79.8339,
87.0549

■ 93.6837, 99.3062,
108.3592

■ 52.1570, 78.3963,
83.9242

■ 95.0500, 100.0000,
108.9000

■ 50.0448, 77.3720,
80.9028

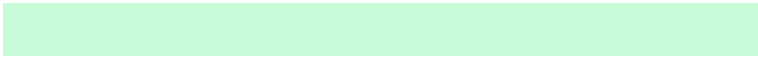
■ 48.6338, 76.7078,
77.9853

■ 47.8423, 76.3529,
75.5448

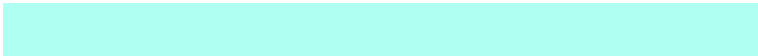
Harmonies

Analogous

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



70.7846, 87.0448, 77.8208



69.4662, 87.0448, 97.1445



71.5261, 87.0448, 118.6958

Triad

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



69.4662, 87.0448, 97.1445



90.7106, 87.0448, 132.5872



89.2091, 87.0448, 63.1316

Complementary

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



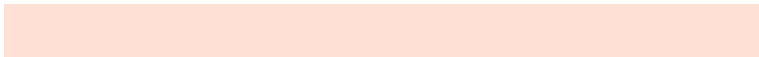
69.4662, 87.0448, 97.1445



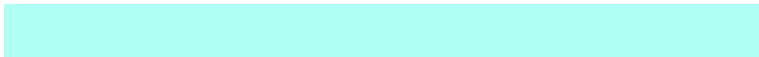
65.6478, 55.5520, 54.8402

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.



95.0544, 87.0448, 74.3088



69.4662, 87.0448, 97.1445



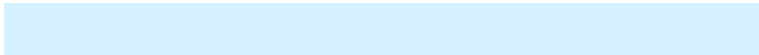
95.9566, 87.0448, 114.0330

Square

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



69.4662, 87.0448, 97.1445



83.5561, 87.0448, 140.9681



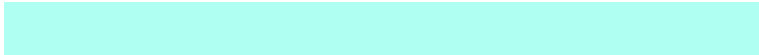
97.5908, 87.0448, 92.4483



81.9163, 87.0448, 59.9704

Rectangle

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



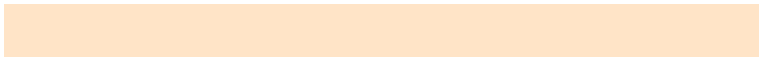
69.4662, 87.0448, 97.1445



74.6133, 87.0448, 130.9194



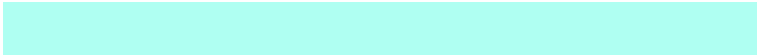
97.5908, 87.0448, 92.4483



91.4224, 87.0448, 65.9856

Sweetspot

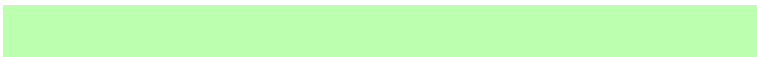
The Sweet Spot groups the original color and five complimentary colors.



69.4672, 87.0452, 97.1460



86.5103, 95.6663, 105.3968



64.3200, 85.3493, 53.6430



18.2413, 20.3369, 22.4402



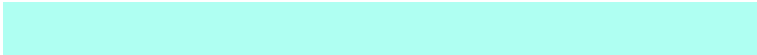
0.0000, 0.0000, 0.0000



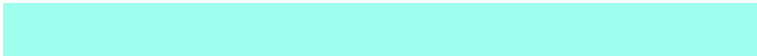
20.3446, 21.4041, 23.3091

Same Dimension

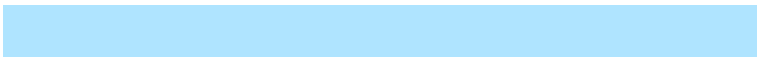
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4672, 87.0452, 97.1460



65.4980, 85.0464, 94.8228



63.5653, 72.0052, 105.1559



18.4206, 20.4278, 22.5179



25.0459, 39.9149, 39.7224



2.4710, 3.8993, 4.0380

Inverse Universe

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



65.6478, 55.5520, 54.8402



61.1088, 48.7978, 46.1631



70.0210, 66.4410, 49.6928



18.1297, 18.0352, 19.3003



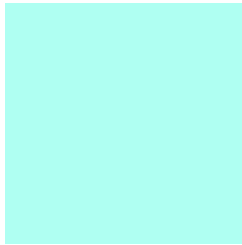
21.7971, 11.2081, 2.3160



2.1549, 1.1043, 0.3971

Previews

White Background



This preview shows how the XYZ color 69.4662, 87.0448, 97.1445 looks on a white background.

Color Contrast Check

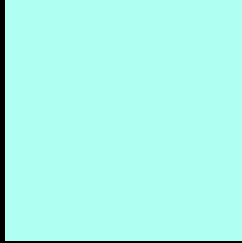
Large Text (above 18pt) WCAG AA × Fail

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 69.4662, 87.0448, 97.1445 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

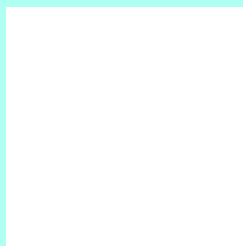
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.4662, 87.0448, 97.1445

Background



This preview shows how black text looks on a background with the XYZ color 69.4662, 87.0448, 97.1445.

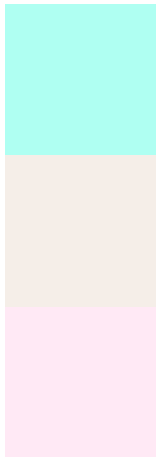


This preview shows how white text looks on a background with the XYZ color 69.4662, 87.0448,

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

69.4662, 87.0448, 97.1445

Protanopia

82.7962, 86.3877, 88.6546

Deuteranopia

86.8603, 86.1304, 98.4330



Tritanopia

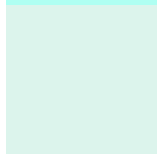
78.4340, 86.8210, 107.2320

Trichromacy



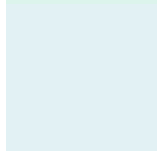
Original Color

69.4662, 87.0448, 97.1445



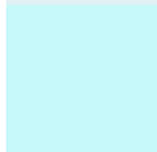
Protanomaly

77.0062, 85.9731, 91.8927



Deuteranomaly

79.1485, 85.6110, 97.9410



Tritanomaly

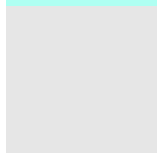
74.9504, 86.9329, 103.2719

Monochromacy



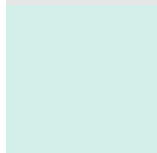
Original Color

69.4662, 87.0448, 97.1445



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.2961, 81.3752, 89.7385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4662, 87.0448, 97.1445 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(175, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 242)  
}
```

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(175, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 69.4662, 87.0448, 97.1445 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(175, 255, 242) }
```


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

```
.border{ border-color:rgb(175, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4662, 87.0448, 97.1445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 242) }
```

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

```
.background{ background-color: rgb(175,  
255, 242) }
```

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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