

Converting Colors

XYZ(63.4866, 71.3608,
111.6734)

Have a look what the booklet for
XYZ(63.4866, 71.3608, 111.6734)
contains.

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Color

**XYZ(62.0966, 70.7042,
104.9822)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE3FF
RGB	170, 227, 255
RGB Percent	67%, 89%, 100%
CMY	0.3333, 0.1098, 0.0000
CMYK	0.33, 0.11, 0.00, 0.00
HSL	200°, 100%, 83%
HSV	200°, 33%, 100%
XYZ	62.0966, 70.7042, 104.9822
YIQ	213.1490, -42.9600, -3.3760

Conversions

Conversions Part 2

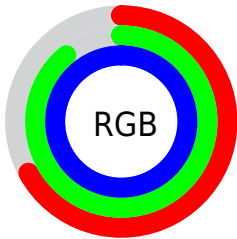
Format	Color
R _Y B	170, 204, 255
Decimal	11199487
CIE Lab	87.34, -11.58, -19.41
CIE LCh	87, 22.600, 239.180
Yxy	70.7042, 0.2611, 0.2973
Android (android.graphics.Color)	4289389567 (0xFFAAE3FF)
YUV	213.1490, 20.6325, -37.8417
Hunter-Lab	84.0858, -15.3295, -15.1643

Details

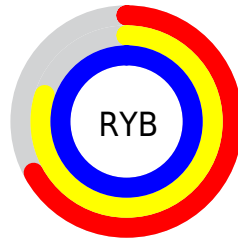
The XYZ color **62.0966, 70.7042, 104.9822** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6900, 64.5503, 46.8711**, and the grayscale version is **63.2340, 66.5271, 72.4480**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **32.0158, 37.2271, 58.9242** is the 20% darker color. If you saturate the color by 10%, you get **54.8684, 63.6519, 104.0019**, and if you desaturate by 10%, it is **70.5099, 78.5371, 106.0507**.

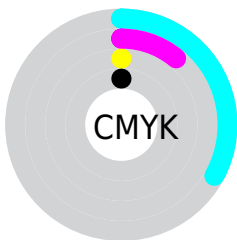
Distribution



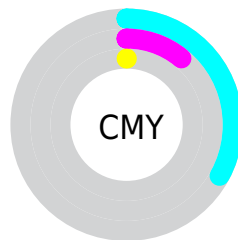
- Red (67%)
- Green (89%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.0966, 70.7042, 104.9822 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 62.0966, 70.7042, 104.9822 by changing the saturation by 10% instead.

■ 62.0966, 70.7042,
104.9822

■ 62.0966, 70.7042,
104.9822

421.9953,
463.0187, 597.4333

■ 45.3667, 52.1008,
79.8279

■ 106.9543,
120.2124, 170.0985

■ 31.9488, 37.0855,
59.0514

135.8127,
151.8861, 210.8976

■ 21.4778, 25.2737,
42.2342

169.4447,
188.6854, 257.7488

■ 13.5881, 16.2811,
28.9578

208.2156,
230.9945, 311.0704

■ 7.9145, 9.7233,
18.8036

252.4908,
279.1981, 371.2811

■ 4.0917, 5.2159,
11.3531

302.6355,

■ 1.7541, 2.3745,

333.6804, 438.7995

6.1877

359.0153,
394.8258, 514.0440

■ 0.4898, 0.8127,
2.8889

■ 0.0000, 0.0000,
1.0382

■ 62.0966, 70.7042,
104.9822

■ 62.0966, 70.7042,
104.9822

■ 54.8684, 63.6519,
104.0019

■ 70.5099, 78.5371,
106.0507

■ 48.7557, 57.3372,
103.1052

■ 80.1611, 87.1752,
107.2093

■ 43.6906, 51.7240,
102.2887

■ 91.1066, 96.6514,
108.4615

■ 39.5944, 46.7695,
101.5483

95.0500, 100.0000,
108.9000

■ 36.3763, 42.4245,
100.8792

■ 33.9264, 38.6295,
100.2759

■ 32.6146, 36.3492,
99.9049

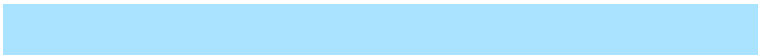
Harmonies

Analogous

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



58.6613, 70.7042, 92.1689



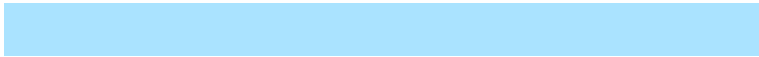
62.0966, 70.7042, 104.9822



67.0559, 70.7042, 110.1483

Triad

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



62.0966, 70.7042, 104.9822



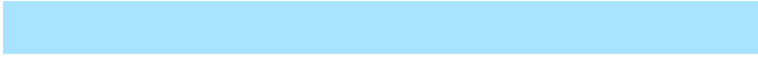
77.9576, 70.7042, 77.4049



62.3375, 70.7042, 54.1360

Complementary

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



62.0966, 70.7042, 104.9822



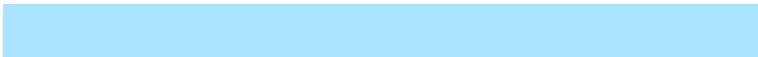
68.6900, 64.5503, 46.8711

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.



67.3487, 70.7042, 51.2513



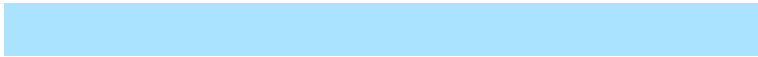
62.0966, 70.7042, 104.9822



76.5344, 70.7042, 63.5673

Square

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



62.0966, 70.7042, 104.9822



76.3748, 70.7042, 92.9902



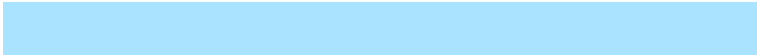
72.5803, 70.7042, 54.4682



58.7951, 70.7042, 62.9302

Rectangle

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



62.0966, 70.7042, 104.9822



70.6190, 70.7042, 108.1003



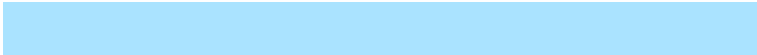
72.5803, 70.7042, 54.4682



63.8974, 70.7042, 52.4988

Sweetspot

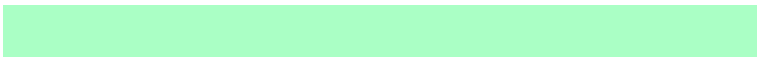
The Sweet Spot groups the original color and five complimentary colors.



62.0985, 70.7069, 104.9826



83.6617, 90.2381, 107.6160



62.4071, 84.0939, 65.7173



17.5872, 19.0357, 22.9973



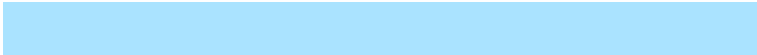
0.0000, 0.0000, 0.0000



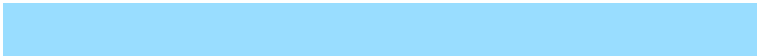
20.3446, 21.4041, 23.3091

Same Dimension

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



62.0985, 70.7069, 104.9826



57.1500, 65.9186, 104.3192



52.1002, 50.7101, 101.6498



18.0211, 19.4139, 23.0474



17.1842, 19.2780, 52.2499



1.7732, 2.0771, 5.1207

Inverse Universe

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



69.4811, 55.5571, 79.7376



65.7362, 49.2845, 74.7371



79.4849, 86.1401, 50.4693



18.5233, 18.1926, 21.3729



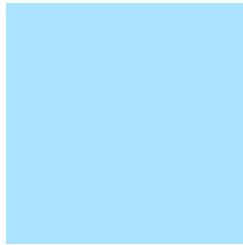
25.4620, 12.6741, 21.6151



2.5296, 1.2542, 2.3705

Previews

White Background



This preview shows how the XYZ color 62.0966, 70.7042, 104.9822 looks on a white background.

Color Contrast Check

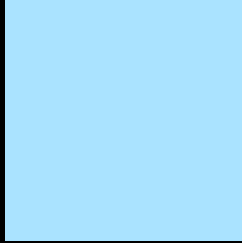
Large Text (above 18pt) WCAG AA × Fail

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 62.0966, 70.7042, 104.9822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

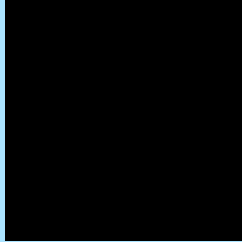
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.0966, 70.7042, 104.9822

Background



This preview shows how black text looks on a background with the XYZ color 62.0966, 70.7042, 104.9822.

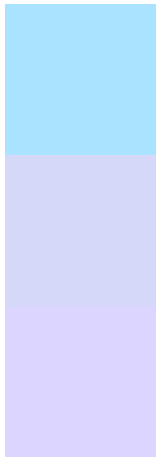


This preview shows how white text looks on a background with the XYZ color 62.0966, 70.7042,

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

62.0966, 70.7042, 104.9822

Protanopia

68.9397, 70.0352, 98.6916

Deuteranopia

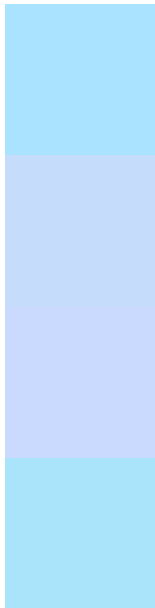
71.3594, 70.0241, 104.3627



Tritanopia

60.6804, 70.5270, 98.4106

Trichromacy



Original Color

62.0966, 70.7042, 104.9822

Protanomaly

66.0317, 70.0218, 101.3021

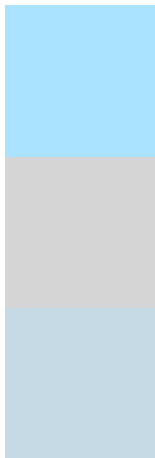
Deuteranomaly

67.4785, 69.9194, 104.5470

Tritanomaly

61.3609, 70.8239, 100.8788

Monochromacy



Original Color

62.0966, 70.7042, 104.9822

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.1010, 67.6146, 83.1766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.0966, 70.7042, 104.9822 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 227, 255)  
}
```

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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.0966, 70.7042, 104.9822 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, 227, 255) }
```


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

```
.border{ border-color:rgb(170, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.0966, 70.7042, 104.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 227, 255) }
```

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

```
.background{ background-color: rgb(170,  
227, 255) }
```

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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