

Converting Colors

XYZ(62.5613, 72.8593,
105.3737)

Have a look what the booklet for
XYZ(62.5613, 72.8593, 105.3737)
contains.

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Color

**XYZ(62.6325, 73.0402,
105.4048)**

Conversions

Conversions Part 1

Format	Color
Hex	A6E8FF
RGB	166, 232, 255
RGB Percent	65%, 91%, 100%
CMY	0.3490, 0.0902, 0.0000
CMYK	0.35, 0.09, 0.00, 0.00
HSL	196°, 100%, 83%
HSV	196°, 35%, 100%
XYZ	62.6325, 73.0402, 105.4048
YIQ	214.8880, -46.7190, -6.8390

Conversions

Conversions Part 2

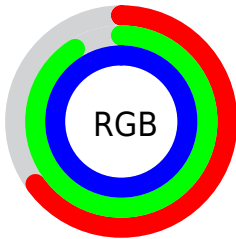
Format	Color
R_{YB}	166, 204, 255
Decimal	10938623
CIE _{Lab}	88.47, -15.19, -17.73
CIE _{LCh}	88, 23.347, 229.421
Yxy	73.0402, 0.2598, 0.3030
Android (android.graphics.Color)	4289128703 (0xFFA6E8FF)
YUV	214.8880, 19.7752, -42.8748
Hunter-Lab	85.4636, -18.7464, -13.2997

Details

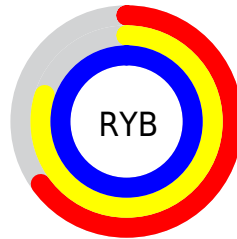
The XYZ color **62.6325, 73.0402, 105.4048** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3209, 60.4085, 44.2428**, and the grayscale version is **64.4104, 67.7647, 73.7958**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **32.1488, 38.4429, 59.1519** is the 20% darker color. If you saturate the color by 10%, you get **55.9879, 66.9145, 104.5727**, and if you desaturate by 10%, it is **70.4104, 79.8569, 106.3106**.

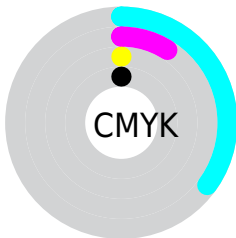
Distribution



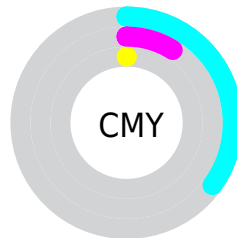
- Red (65%)
- Green (91%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6325, 73.0402, 105.4048 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 62.6325, 73.0402, 105.4048 by changing the saturation by 10% instead.

62.6325, 73.0402,
105.4048

62.6325, 73.0402,
105.4048

423.9154,
471.1541, 598.7795

45.8015, 54.0088,
80.1800

107.7239,
123.5343, 170.6814

32.2932, 38.6087,
59.3394

136.7151,
155.7658, 211.5703

21.7422, 26.4555,
42.4646

170.4903,
193.1661, 258.5176

13.7831, 17.1647,
29.1370

209.4150,
236.1197, 311.9419

8.0507, 10.3520,
18.9380

253.8545,
285.0109, 372.2617

4.1795, 5.6330,
11.4491

304.1742,

1.8042, 2.6232,

340.2241, 439.8955

6.2518

360.7394,
402.1437, 515.2619

■ 0.5202, 0.9383,
2.9275

■ 0.0000, 0.0000,
1.0578

■ 62.6325, 73.0402,
105.4048

■ 62.6325, 73.0402,
105.4048

■ 55.9879, 66.9145,
104.5727

■ 70.4104, 79.8569,
106.3106

■ 50.4069, 61.4375,
103.8096

■ 79.3740, 87.3874,
107.2917

■ 45.8212, 56.5745,
103.1127

■ 89.5798, 95.6637,
108.3513

■ 42.1513, 52.2835,
102.4779

95.0500, 100.0000,
108.9000

■ 39.3051, 48.5158,
101.9006

■ 37.1691, 45.2117,
101.3754

■ 36.2713, 43.6625,
101.1238

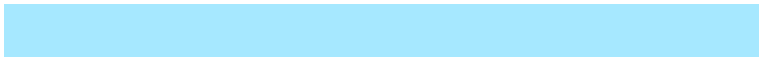
Harmonies

Analogous

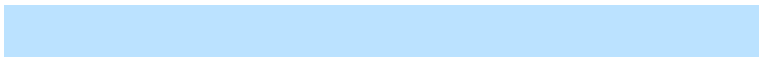
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.7285, 73.0402, 90.2608



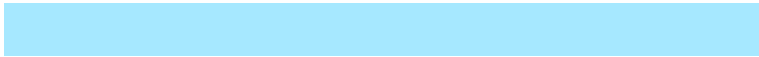
62.6325, 73.0402, 105.4048



67.4588, 73.0402, 113.9662

Triad

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



62.6325, 73.0402, 105.4048



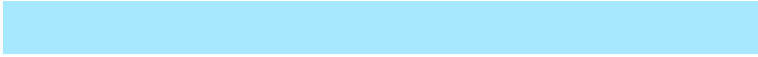
80.5875, 73.0402, 85.3423



65.8936, 73.0402, 53.7826

Complementary

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



62.6325, 73.0402, 105.4048



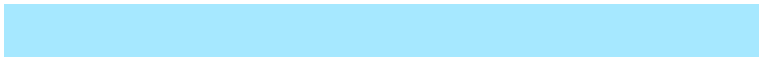
66.3209, 60.4085, 44.2428

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.



71.4239, 73.0402, 52.8375



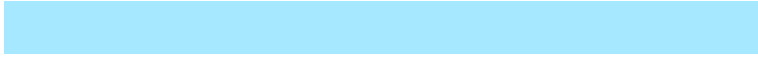
62.6325, 73.0402, 105.4048



80.1125, 73.0402, 69.6823

Square

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



62.6325, 73.0402, 105.4048



77.9511, 73.0402, 101.3892



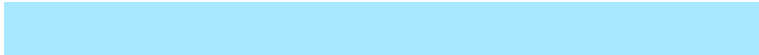
76.6864, 73.0402, 58.2766



61.5398, 73.0402, 61.0599

Rectangle

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



62.6325, 73.0402, 105.4048



71.2051, 73.0402, 114.1042



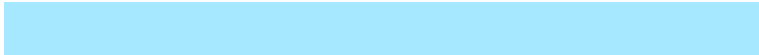
76.6864, 73.0402, 58.2766



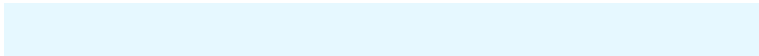
67.6700, 73.0402, 52.7548

Sweetspot

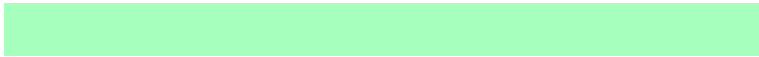
The Sweet Spot groups the original color and five complimentary colors.



62.6345, 73.0430, 105.4053



84.2168, 91.3482, 107.8010



60.5911, 83.2692, 60.5992



17.7220, 19.3052, 23.0422



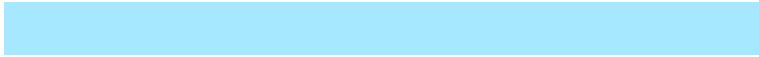
0.0000, 0.0000, 0.0000



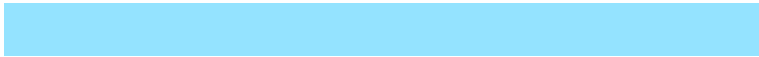
20.3446, 21.4041, 23.3091

Same Dimension

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



62.6345, 73.0430, 105.4053



57.8030, 68.6234, 104.8068



51.8141, 51.4021, 101.7984



18.1343, 19.6402, 23.0851



19.0796, 23.0688, 52.8817



1.9460, 2.4226, 5.1783

Inverse Universe

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



69.4430, 54.3603, 83.1796



65.7244, 47.9725, 78.7049



77.1918, 82.1503, 47.8665



18.5804, 18.2155, 21.6736



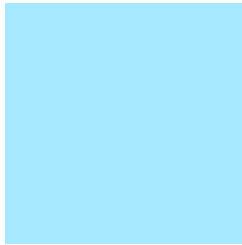
26.4187, 13.0568, 26.6531



2.6168, 1.2891, 2.8297

Previews

White Background



This preview shows how the XYZ color 62.6325, 73.0402, 105.4048 looks on a white background.

Color Contrast Check

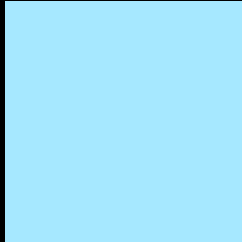
Large Text (above 18pt) WCAG AA × Fail

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 62.6325, 73.0402, 105.4048 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 62.6325, 73.0402, 105.4048

Background



This preview shows how black text looks on a background with the XYZ color 62.6325, 73.0402, 105.4048.

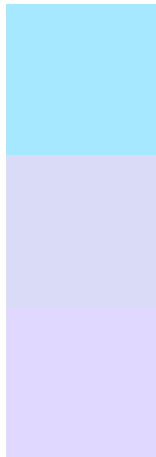


This preview shows how white text looks on a background with the XYZ color 62.6325, 73.0402,

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

62.6325, 73.0402, 105.4048

Protanopia

71.2951, 72.8072, 98.2912

Deuteranopia

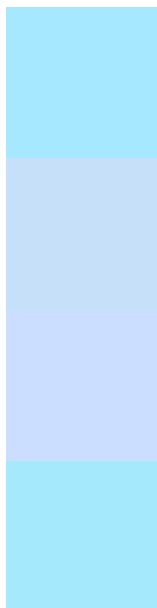
73.3463, 72.1790, 104.6739



Tritanopia

62.0686, 73.2422, 102.1326

Trichromacy



Original Color

62.6325, 73.0402, 105.4048

Protanomaly

67.4642, 72.3556, 100.8528

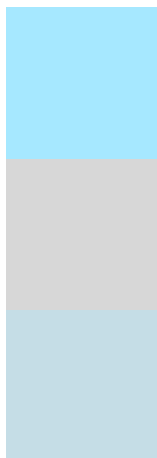
Deuteranomaly

68.7999, 72.1591, 104.9097

Tritanomaly

62.2267, 73.3054, 102.9651

Monochromacy



Original Color

62.6325, 73.0402, 105.4048

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.1653, 69.2964, 84.9093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6325, 73.0402, 105.4048 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(166, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 232, 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(166, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.6325, 73.0402, 105.4048 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(166, 232, 255) }
```


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

```
.border{ border-color:rgb(166, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(166, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6325, 73.0402, 105.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 232, 255) }
```

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

```
.background{ background-color: rgb(166,  
232, 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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