

# Converting Colors

XYZ(62.3394, 71.0876, 92.4455)

Have a look what the booklet for  
XYZ(62.3394, 71.0876, 92.4455)  
contains.

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# **Color**

**XYZ(62.3405, 71.1152,  
92.1023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E3EF
RGB	182, 227, 239
RGB Percent	71%, 89%, 94%
CMY	0.2863, 0.1098, 0.0627
CMYK	0.24, 0.05, 0.00, 0.06
HSL	193°, 64%, 83%
HSV	193°, 24%, 94%
XYZ	62.3405, 71.1152, 92.1023
YIQ	214.9130, -30.6720, -5.8080

# Conversions

## Conversions Part 2

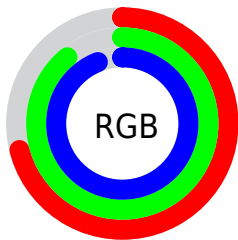
Format	Color
R <sub>Y</sub> B	182, 207, 239
Decimal	11985903
CIE Lab	87.54, -11.87, -10.63
CIE LCh	88, 15.935, 221.834
Yxy	71.1152, 0.2764, 0.3153
Android (android.graphics.Color)	4290175983 (0xFFB6E3EF)
YUV	214.9130, 11.8749, -28.8647
Hunter-Lab	84.3298, -15.6218, -5.7237

# Details

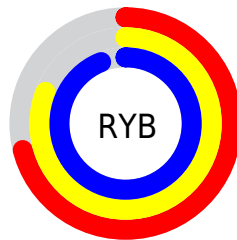
The XYZ color **62.3405, 71.1152, 92.1023** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63.3328, 60.3122, 52.5611**, and the grayscale version is **64.4712, 67.8287, 73.8655**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **32.2019, 37.5131, 50.3433** is the 20% darker color. If you saturate the color by 10%, you get **55.8153, 65.7402, 91.4099**, and if you desaturate by 10%, it is **69.8734, 77.0729, 92.8564**.

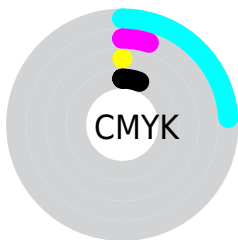
# Distribution



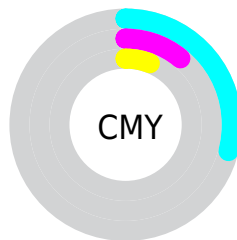
- Red (71%)
- Green (89%)
- Blue (94%)



- Red (71%)
- Yellow (81%)
- Blue (94%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (29%)
- Magenta (11%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3405, 71.1152, 92.1023 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 62.3405, 71.1152, 92.1023 by changing the saturation by 10% instead.



■ 62.3405, 71.1152,  
92.1023

■ 62.3405, 71.1152,  
92.1023

422.8698,  
464.4560, 555.5917

■ 45.5645, 52.4362,  
69.1421

■ 107.3047,  
120.7977, 152.2161

■ 32.1055, 37.3529,  
50.3550

136.2236,  
152.5701, 190.2068

■ 21.5980, 25.4808,  
35.3224

169.9208,  
189.4757, 234.0447

■ 13.6768, 16.4357,  
23.6258

208.7618,  
231.8989, 284.1484

■ 7.9764, 9.8330,  
14.8466

253.1118,  
280.2241, 340.9364

■ 4.1315, 5.2883,  
8.5664

303.3363,

■ 1.7768, 2.4174,

334.8358, 404.8272

4.3665

359.8005,  
396.1183, 476.2395

■ 0.5036, 0.8348,  
1.8285

■ 0.0000, 0.0000,  
0.4467

■ 62.3405, 71.1152,  
92.1023

■ 62.3405, 71.1152,  
92.1023

■ 55.8153, 65.7402,  
91.4099

■ 69.8734, 77.0729,  
92.8564

■ 50.2423, 60.9135,  
90.7720

■ 78.4534, 83.6289,  
93.6696

■ 45.5700, 56.6098,  
90.1876

■ 88.1256, 90.8085,  
94.5456

■ 41.7394, 52.7982,  
89.6537

■ 90.1197, 94.0911,  
95.0741

■ 38.6842, 49.4439,  
89.1673

■ 91.6800, 97.2117,  
95.5942

■ 36.3275, 46.5069,  
88.7246

■ 92.5802, 99.0121,  
95.8943

■ 34.5760, 43.9384,  
88.3212

■ 33.7124, 42.4965,  
88.0884

# Harmonies

## Analogous

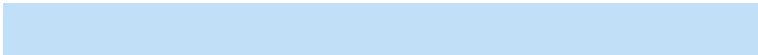
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7512, 71.1152, 81.7631



62.3405, 71.1152, 92.1023



65.3606, 71.1152, 98.8528

# Triad

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



62.3405, 71.1152, 92.1023



74.7083, 71.1152, 84.0787



66.1189, 71.1152, 58.8589

# Complementary

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



62.3405, 71.1152, 92.1023



63.3328, 60.3122, 52.5611

# 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.



69.8754, 71.1152, 59.3540



62.3405, 71.1152, 92.1023



74.9298, 71.1152, 73.2573

# Square

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



62.3405, 71.1152, 92.1023



72.5379, 71.1152, 93.9324



73.1323, 71.1152, 64.4092



62.8779, 71.1152, 62.9874



# Rectangle

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



62.3405, 71.1152, 92.1023



67.8249, 71.1152, 100.0615



73.1323, 71.1152, 64.4092



67.3614, 71.1152, 58.5014

# Sweetspot

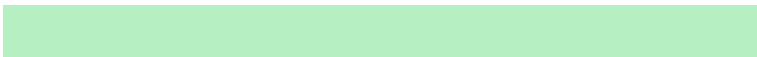
The Sweet Spot groups the original color and five complimentary colors.



62.3426, 71.1181, 92.1039



87.5983, 94.3966, 108.2112



59.8297, 75.5476, 62.1168



18.6183, 20.1049, 23.1493



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

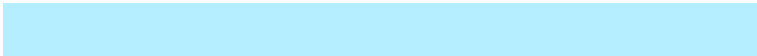


# Same Dimension

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



62.3426, 71.1181, 92.1039



68.1117, 79.0377, 106.2737



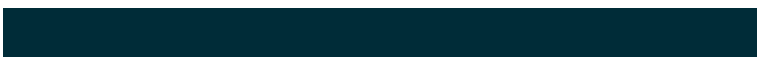
55.3194, 57.0716, 89.7628



15.9485, 17.3311, 20.2263



18.7284, 23.6811, 48.7117



1.6279, 2.1097, 4.0756



# Inverse Universe

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



66.1914, 57.3544, 80.2580



73.4184, 60.5858, 89.8232



70.1362, 73.9190, 54.8289



16.3034, 15.9711, 19.1542



24.7789, 12.1840, 27.8157

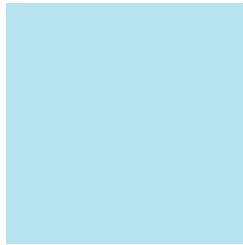


2.0966, 1.0277, 2.4996



# Previews

## White Background



This preview shows how the XYZ color 62.3405, 71.1152, 92.1023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

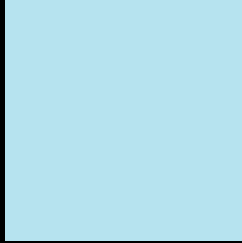
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3405, 71.1152, 92.1023 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 62.3405, 71.1152, 92.1023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3405, 71.1152, 92.1023.



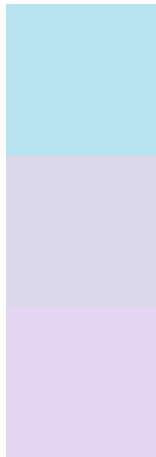
This preview shows how white text looks on a background with the XYZ color 62.3405, 71.1152,



# 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

62.3405, 71.1152, 92.1023

### Protanopia

68.7343, 70.5690, 87.0893

### Deuteranopia

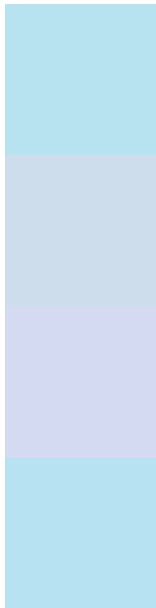
72.1344, 70.6573, 93.8407



## Tritanopia

63.0539, 70.9916, 95.9674

# Trichromacy



**Original Color**

62.3405, 71.1152, 92.1023

**Protanomaly**

66.3054, 70.8329, 88.7747

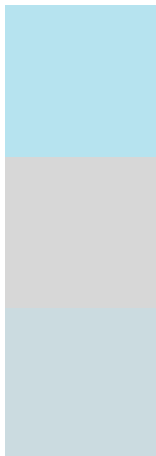
**Deuteranomaly**

68.1000, 70.4907, 93.2359

**Tritanomaly**

62.7518, 70.8708, 94.3765

# Monochromacy



**Original Color**

62.3405, 71.1152, 92.1023

**Achromatopsia**

64.5905, 67.9542, 74.0022

**Achromatomaly**

63.4147, 68.7414, 80.4471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3405, 71.1152, 92.1023 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(182, 227, 239)` looks like.

```
.text, #text, p{  
    color:rgb(182, 227, 239)  
}
```

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(182, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 227, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3405, 71.1152, 92.1023 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(182, 227, 239) }
```



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

```
.border{ border-color:rgb(182, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(182, 227,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3405, 71.1152, 92.1023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 227, 239) }
```

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

```
.background{ background-color: rgb(182,  
227, 239) }
```

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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