

# Converting Colors

XYZ(62.3450, 75.5181, 90.0154)

Have a look what the booklet for  
XYZ(62.3450, 75.5181, 90.0154)  
contains.

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# Color

**XYZ(62.2928, 75.3372,  
89.8556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACEDEB
RGB	172, 237, 235
RGB Percent	67%, 93%, 92%
CMY	0.3255, 0.0706, 0.0784
CMYK	0.27, 0.00, 0.01, 0.07
HSL	178°, 64%, 80%
HSV	178°, 27%, 93%
XYZ	62.2928, 75.3372, 89.8556
YIQ	217.3370, -38.0980, -14.4020

# Conversions

## Conversions Part 2

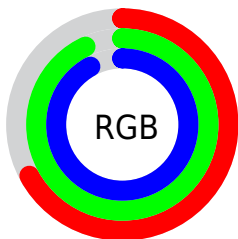
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	172, 205, 237
Decimal	11333099
CIE Lab	89.55, -20.65, -5.61
CIE LCh	90, 21.396, 195.208
Yxy	75.3372, 0.2738, 0.3312
Android (android.graphics.Color)	4289523179 (0xFFACEDEB)
YUV	217.3370, 8.7079, -39.7605
Hunter-Lab	86.7970, -23.7882, -0.6214

# Details

The XYZ color **62.2928, 75.3372, 89.8556** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.3202, 50.5676, 46.7867**, and the grayscale version is **66.1471, 69.5918, 75.7855**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **31.9967, 40.0843, 48.6985** is the 20% darker color. If you saturate the color by 10%, you get **57.4433, 72.8513, 89.0805**, and if you desaturate by 10%, it is **68.0747, 78.3076, 90.6798**.

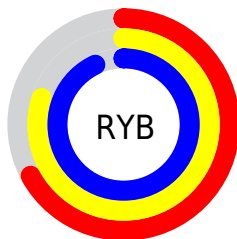
# Distribution



Red (67%)

Green (93%)

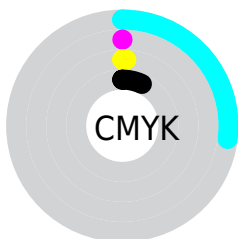
Blue (92%)



Red (67%)

Yellow (80%)

Blue (93%)

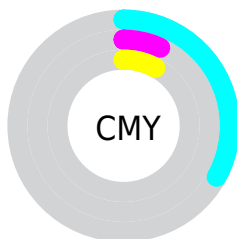


Cyan (27%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2928, 75.3372, 89.8556 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 62.2928, 75.3372, 89.8556 by changing the saturation by 10% instead.





 62.2928, 75.3372,  
89.8556

 62.2928, 75.3372,  
89.8556


422.6989,  
479.0758, 548.1190

 45.5258, 55.8892,  
67.2878


 107.2361,  
126.7896, 149.0716

 32.0748, 40.1141,  
48.8555


136.1432,  
159.5627, 186.5569

 21.5745, 27.6275,  
34.1401


169.8277,  
197.5463, 229.8517

 13.6594, 18.0451,  
22.7230

208.6550,  
241.1249, 279.3748

 7.9643, 10.9823,  
14.1857

252.9904,  
290.6827, 335.5445

 4.1237, 6.0550,  
8.1097

303.1993,

 1.7724, 2.8785,

346.6042, 398.7794

4.0765

359.6470,  
409.2737, 469.4980

■ 0.5009, 1.0686,  
1.6674

■ 0.0000, 0.0000,  
0.3382

■ 62.2928, 75.3372,  
89.8556

■ 62.2928, 75.3372,  
89.8556

■ 57.4433, 72.8513,  
89.0805

■ 68.0747, 78.3076,  
90.6798

■ 53.4703, 70.8153,  
88.3472

■ 74.8281, 81.7768,  
91.5501

■ 50.3222, 69.2044,  
87.6546

■ 82.5978, 85.7699,  
92.4702

■ 47.9392, 67.9879,  
87.0002

■ 86.9468, 87.9995,  
93.2325

46.2535, 67.1309,  
86.3806

87.0543, 88.0425,  
93.7986

45.1853, 66.5921,  
85.7921

87.1622, 88.0857,  
94.3670

44.6293, 66.3174,  
85.2299

87.2706, 88.1291,  
94.9376

44.5266, 66.2674,  
85.0875

87.3794, 88.1726,  
95.5106

87.4886, 88.2163,  
96.0859

# Harmonies

## Analogous

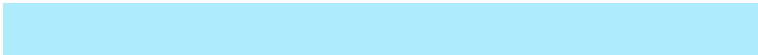
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.2755, 75.3372, 74.8621



62.2928, 75.3372, 89.8556



64.7214, 75.3372, 104.3228

# Triad

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



62.2928, 75.3372, 89.8556



79.0171, 75.3372, 104.1486



74.2161, 75.3372, 57.1150

# Complementary

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



62.2928, 75.3372, 89.8556



57.3202, 50.5676, 46.7867

# 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.



78.9617, 75.3372, 63.1623



62.2928, 75.3372, 89.8556



81.8243, 75.3372, 89.6402

# Square

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



62.2928, 75.3372, 89.8556



74.2887, 75.3372, 113.2362



81.8035, 75.3372, 74.6714



68.9882, 75.3372, 57.1577

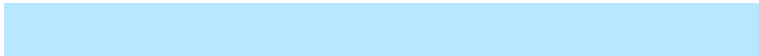


# Rectangle

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



62.2928, 75.3372, 89.8556



67.4525, 75.3372, 111.1988



81.8035, 75.3372, 74.6714



75.9261, 75.3372, 58.4671

# Sweetspot

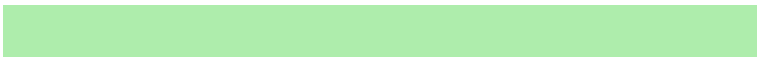
The Sweet Spot groups the original color and five complimentary colors.



62.2950, 75.3402, 89.8573



87.8380, 96.2937, 108.0351



55.2255, 72.5678, 50.1274



18.5293, 20.4712, 23.0900



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

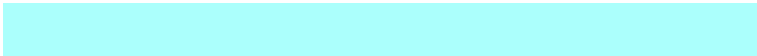


# Same Dimension

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



62.2950, 75.3402, 89.8573



70.1572, 87.2152, 105.5705



54.5336, 59.3517, 88.7061



15.4965, 17.1134, 19.2972



24.3183, 36.1818, 46.5026



1.9159, 2.8437, 3.6849



# Inverse Universe

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



57.3202, 50.5676, 46.7867



63.3604, 53.3635, 46.7210



63.5729, 63.3833, 47.9146



15.0843, 15.0616, 15.7291



19.0983, 9.8420, 1.0533

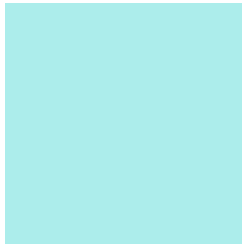


1.5063, 0.7755, 0.1177



# Previews

## White Background



This preview shows how the XYZ color 62.2928, 75.3372, 89.8556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

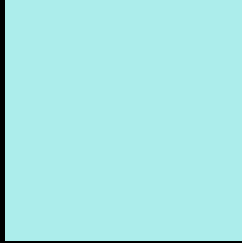
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2928, 75.3372, 89.8556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

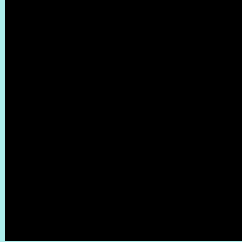
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.2928, 75.3372, 89.8556**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2928, 75.3372, 89.8556.



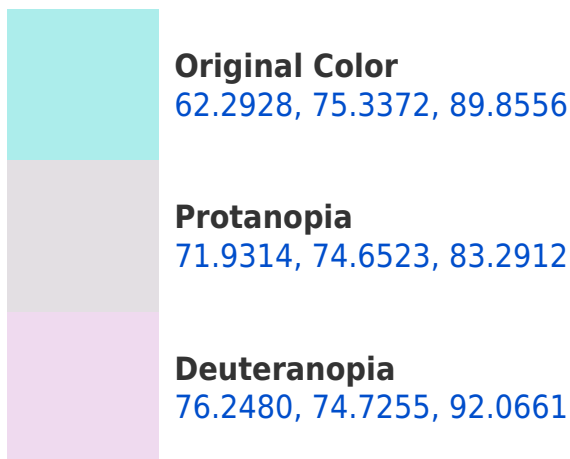
This preview shows how white text looks on a background with the XYZ color 62.2928, 75.3372,



# 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





## Tritanopia

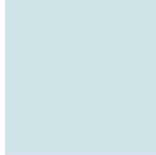
65.0569, 75.1676, 104.0084

# Trichromacy



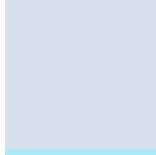
## Original Color

62.2928, 75.3372, 89.8556



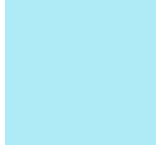
## Protanomaly

67.7585, 74.4654, 85.6649



## Deuteranomaly

70.3822, 74.4705, 91.5536



## Tritanomaly

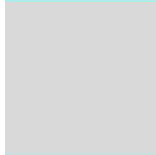
64.0221, 75.1844, 98.3265

# Monochromacy



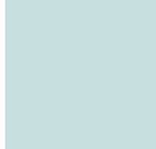
## Original Color

62.2928, 75.3372, 89.8556



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

64.1976, 71.1106, 80.8632

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2928, 75.3372, 89.8556 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(172, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(172, 237, 235)  
}
```

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(172, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 237, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2928, 75.3372, 89.8556 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(172, 237, 235) }
```



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

```
.border{ border-color:rgb(172, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 237, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 237, 235); box-shadow:4px 4px 4px 4px rgb(172, 237, 235) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2928, 75.3372, 89.8556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 237, 235) }
```

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

```
.background{ background-color: rgb(172,  
237, 235) }
```

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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