

# Converting Colors

XYZ(63.0555, 73.6830, 87.2790)

Have a look what the booklet for  
XYZ(63.0555, 73.6830, 87.2790)  
contains.

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# **Color**

**XYZ(62.9505, 73.6067,  
87.2336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E8E8
RGB	183, 232, 232
RGB Percent	72%, 91%, 91%
CMY	0.2823, 0.0902, 0.0902
CMYK	0.21, 0.00, 0.00, 0.09
HSL	180°, 52%, 81%
HSV	180°, 21%, 91%
XYZ	62.9505, 73.6067, 87.2336
YIQ	217.3490, -29.2040, -10.3880

# Conversions

## Conversions Part 2

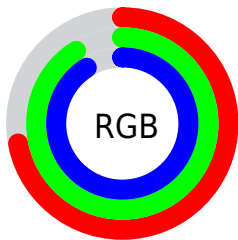
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 208, 232
Decimal	12052712
CIE <sub>Lab</sub>	88.74, -15.61, -5.17
CIE <sub>LCh</sub>	89, 16.448, 198.335
Yxy	73.6067, 0.2813, 0.3289
Android (android.graphics.Color)	4290242792 (0xFFB7E8E8)
YUV	217.3490, 7.2229, -30.1241
Hunter-Lab	85.7943, -19.1680, -0.2286

# Details

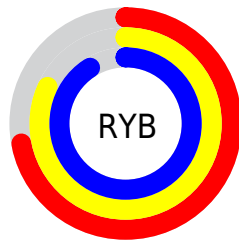
The XYZ color **62.9505, 73.6067, 87.2336** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7620, 54.4436, 52.2143**, and the grayscale version is **66.1607, 69.6062, 75.8012**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **32.4151, 38.8524, 46.8651** is the 20% darker color. If you saturate the color by 10%, you get **57.8811, 70.9952, 86.9968**, and if you desaturate by 10%, it is **68.9338, 76.6931, 87.5163**.

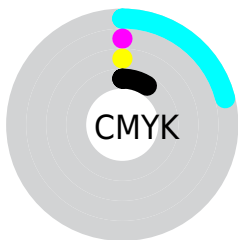
# Distribution



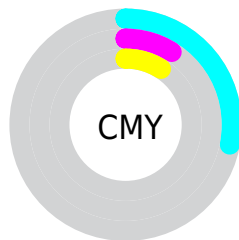
- Red (72%)
- Green (91%)
- Blue (91%)



- Red (72%)
- Yellow (82%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (28%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9505, 73.6067, 87.2336 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 62.9505, 73.6067, 87.2336 by changing the saturation by 10% instead.



62.9505, 73.6067,  
87.2336

62.9505, 73.6067,  
87.2336

425.0523,  
473.1148, 539.3263

46.0597, 54.4722,  
65.1278

108.1803,  
124.3381, 145.3914

32.4977, 38.9793,  
47.1127

137.2500,  
156.7038, 182.2806

21.8993, 26.7436,  
32.7698

171.1100,  
194.2487, 224.9345

13.8991, 17.3808,  
21.6805

210.1257,  
237.3572, 273.7719

8.1318, 10.5063,  
13.4262

254.6624,  
286.4137, 329.2113

4.2319, 5.7360,  
7.5885

305.0855,

1.8341, 2.6852,

341.8025, 391.6711

3.7488

361.7604,  
403.9081, 461.5699

■ 0.5381, 0.9697,  
1.4886

■ 0.0000, 0.0000,  
0.2094

■ 62.9505, 73.6067,  
87.2336

■ 62.9505, 73.6067,  
87.2336

■ 57.8811, 70.9952,  
86.9968

■ 68.9338, 76.6931,  
87.5163

■ 53.6745, 68.8267,  
86.7989

■ 75.8660, 80.2667,  
87.8418

■ 50.2848, 67.0793,  
86.6392

■ 83.7882, 84.3507,  
88.2136

■ 47.6588, 65.7255,  
86.5152

■ 84.6645, 84.8025,  
88.2557

45.7374, 64.7350,  
86.4242

84.6647, 84.8026,  
88.2568

44.4525, 64.0727,  
86.3630

84.6649, 84.8026,  
88.2578

43.7230, 63.6966,  
86.3278

84.6651, 84.8027,  
88.2589

43.4220, 63.5415,  
86.3128

84.6653, 84.8028,  
88.2600

84.6655, 84.8029,  
88.2611

# Harmonies

## Analogous

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



62.7361, 73.6067, 75.7984



62.9505, 73.6067, 87.2336



64.9997, 73.6067, 97.6439

# Triad

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



62.9505, 73.6067, 87.2336



75.8304, 73.6067, 95.6029



71.5185, 73.6067, 60.5539

# Complementary

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



62.9505, 73.6067, 87.2336



58.7620, 54.4436, 52.2143

# 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.



75.1685, 73.6067, 64.8729



62.9505, 73.6067, 87.2336



77.7202, 73.6067, 84.6551

# Square

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



62.9505, 73.6067, 87.2336



72.3941, 73.6067, 102.7824



77.4735, 73.6067, 73.4516



67.5829, 73.6067, 61.1026

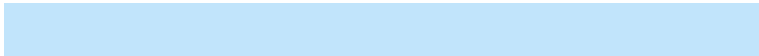


# Rectangle

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



62.9505, 73.6067, 87.2336



67.1757, 73.6067, 102.2695



77.4735, 73.6067, 73.4516



72.8221, 73.6067, 61.4666

# Sweetspot

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



62.9526, 73.6097, 87.2353



89.6433, 97.2127, 108.6462



57.1293, 71.3029, 55.5528



19.0671, 20.7455, 23.2491



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.



62.9526, 73.6097, 87.2353



75.3581, 89.8486, 107.9751



56.7292, 61.1621, 85.1629



14.8075, 16.3364, 18.5169



24.1051, 35.2742, 47.9154



1.7813, 2.6066, 3.5408



# Inverse Universe

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



58.7620, 54.4436, 52.2143



69.3573, 62.4035, 57.8264



64.0647, 65.0496, 53.9803



14.3771, 14.3680, 14.9202



18.4751, 9.5243, 0.8649

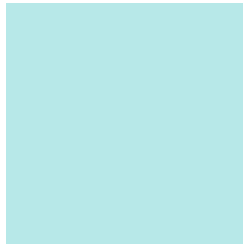


1.3653, 0.7038, 0.0640



# Previews

## White Background



This preview shows how the XYZ color 62.9505, 73.6067, 87.2336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

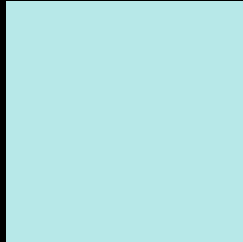
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9505, 73.6067, 87.2336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

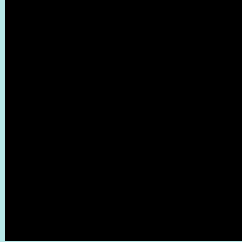
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.9505, 73.6067, 87.2336

## Background



This preview shows how black text looks on a background with the XYZ color 62.9505, 73.6067, 87.2336.



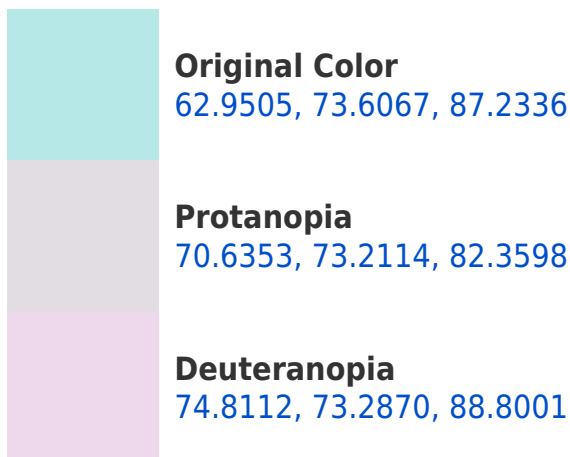
This preview shows how white text looks on a background with the XYZ color 62.9505, 73.6067,



# 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

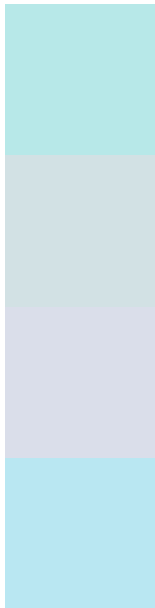




## Tritanopia

65.4898, 73.8100, 99.6020

# Trichromacy



## Original Color

62.9505, 73.6067, 87.2336

## Protanomaly

67.5071, 73.1535, 83.9608

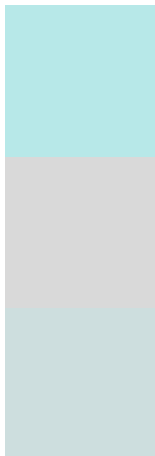
## Deuteranomaly

69.8860, 73.0885, 88.2660

## Tritanomaly

64.6105, 73.8769, 94.8587

# Monochromacy



## Original Color

62.9505, 73.6067, 87.2336

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.4829, 70.4956, 79.3156

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9505, 73.6067, 87.2336 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(183, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(183, 232, 232)  
}
```

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(183, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 232, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9505, 73.6067, 87.2336 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(183, 232, 232) }
```



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

```
.border{ border-color:rgb(183, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(183, 232,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9505, 73.6067, 87.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 232, 232) }
```

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

```
.background{ background-color: rgb(183,  
232, 232) }
```

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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