

# Converting Colors

XYZ(62.7421, 72.2374, 87.0175)

Have a look what the booklet for  
XYZ(62.7421, 72.2374, 87.0175)  
contains.

<b>XYZ(62.8345, 72.3039, 86.9883)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.8345, 72.3039,  
86.9883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE5E8
RGB	186, 229, 232
RGB Percent	73%, 90%, 91%
CMY	0.2706, 0.1019, 0.0902
CMYK	0.20, 0.01, 0.00, 0.09
HSL	184°, 50%, 82%
HSV	184°, 20%, 91%
XYZ	62.8345, 72.3039, 86.9883
YIQ	216.4850, -26.5910, -8.1830

# Conversions

## Conversions Part 2

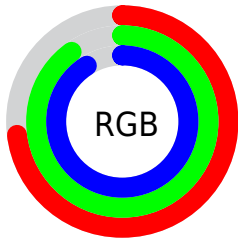
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 208, 232
Decimal	12248552
CIE <sub>Lab</sub>	88.11, -13.20, -6.07
CIE <sub>LCh</sub>	88, 14.531, 204.698
Yxy	72.3039, 0.2829, 0.3255
Android (android.graphics.Color)	4290438632 (0xFFBAE5E8)
YUV	216.4850, 7.6489, -26.7353
Hunter-Lab	85.0317, -16.9022, -1.1321

# Details

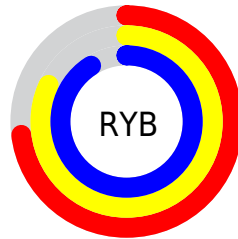
The XYZ color **62.8345, 72.3039, 86.9883** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3399, 57.0964, 54.2962**, and the grayscale version is **65.5651, 68.9796, 75.1188**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **32.2958, 37.9273, 46.6928** is the 20% darker color. If you saturate the color by 10%, you get **57.2337, 68.8002, 86.6084**, and if you desaturate by 10%, it is **69.3583, 76.2925, 87.4155**.

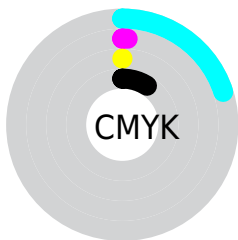
# Distribution



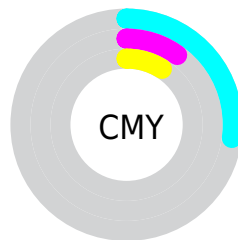
- Red (73%)
- Green (90%)
- Blue (91%)



- Red (73%)
- Yellow (82%)
- Blue (91%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (10%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8345, 72.3039, 86.9883 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 62.8345, 72.3039, 86.9883 by changing the saturation by 10% instead.



■ 62.8345, 72.3039,  
86.9883

■ 62.8345, 72.3039,  
86.9883

424.6378,  
468.5987, 538.4996

■ 45.9655, 53.4070,  
64.9260

■ 108.0139,  
122.4885, 145.0466

■ 32.4231, 38.1277,  
46.9501

137.0549,  
154.5450, 181.8795

■ 21.8420, 26.0819,  
32.6421

170.8840,  
191.7567, 224.4732

■ 13.8568, 16.8849,  
21.5836

209.8665,  
234.5081, 273.2460

■ 8.1022, 10.1525,  
13.3558

254.3678,  
283.1837, 328.6165

■ 4.2127, 5.5002,  
7.5404

304.7532,

■ 1.8232, 2.5436,

338.1677, 391.0032

3.7188

361.3881,  
399.8445, 460.8248

■ 0.5316, 0.8984,  
1.4724

■ 0.0000, 0.0000,  
0.1972

■ 62.8345, 72.3039,  
86.9883

■ 62.8345, 72.3039,  
86.9883

■ 57.2337, 68.8002,  
86.6084

■ 69.3583, 76.2925,  
87.4155

■ 52.5053, 65.7498,  
86.2688

■ 76.8398, 80.7785,  
87.8871

■ 48.6038, 63.1311,  
85.9690

■ 85.0976, 85.6700,  
88.3960

■ 45.4769, 60.9170,  
85.7064

■ 85.5287, 86.5322,  
88.5397

■ 43.0662, 59.0775,  
85.4784

■ 85.9634, 87.4017,  
88.6846

■ 41.3050, 57.5782,  
85.2819

■ 86.4019, 88.2786,  
88.8308

■ 40.1143, 56.3783,  
85.1130

■ 86.8440, 89.1629,  
88.9781

■ 39.3609, 55.4091,  
84.9656

■ 87.2899, 90.0546,  
89.1268

■ 39.3491, 55.3931,  
84.9632

■ 87.7394, 90.9537,  
89.2766

# Harmonies

## Analogous

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



62.2877, 72.3039, 76.9734



62.8345, 72.3039, 86.9883



64.9368, 72.3039, 95.3829

# Triad

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



62.8345, 72.3039, 86.9883



74.3160, 72.3039, 90.2995



69.3413, 72.3039, 61.1834

# Complementary

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



62.8345, 72.3039, 86.9883



60.3399, 57.0964, 54.2962

# 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.



72.6530, 72.3039, 64.1319



62.8345, 72.3039, 86.9883



75.5863, 72.3039, 80.5064

# Square

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



62.8345, 72.3039, 86.9883



71.5499, 72.3039, 97.4046



74.9677, 72.3039, 71.0054



65.9709, 72.3039, 62.6035



# Rectangle

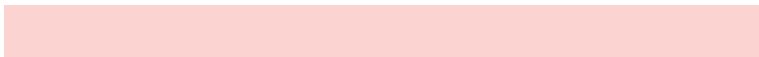
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8345, 72.3039, 86.9883



66.9760, 72.3039, 98.6444



74.9677, 72.3039, 71.0054



70.4995, 72.3039, 61.6885

# Sweetspot

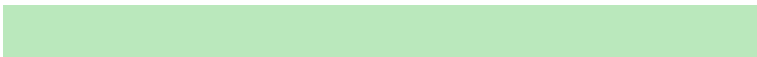
The Sweet Spot groups the original color and five complimentary colors.



62.8366, 72.3069, 86.9899



89.3262, 96.5784, 108.5412



58.2171, 71.7975, 58.5380



18.9918, 20.5950, 23.2242



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.



62.8366, 72.3069, 86.9899



74.7479, 87.6651, 107.5892



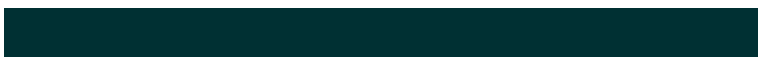
57.0567, 60.7471, 85.0633



14.7228, 16.1671, 18.4889



21.8811, 30.8243, 47.1796



1.6413, 2.3266, 3.4945



# Inverse Universe

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



64.9822, 57.9323, 81.8892



77.9019, 66.7204, 100.0496



65.5118, 67.4401, 56.0202



14.9524, 14.5982, 17.9499



25.4381, 12.3094, 37.5314

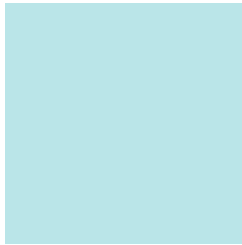


1.8921, 0.9146, 2.8383



# Previews

## White Background



This preview shows how the XYZ color 62.8345, 72.3039, 86.9883 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

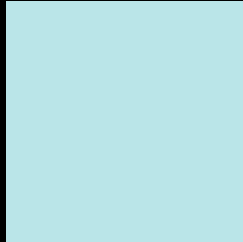
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.8345, 72.3039, 86.9883 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 62.8345, 72.3039, 86.9883**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8345, 72.3039, 86.9883.



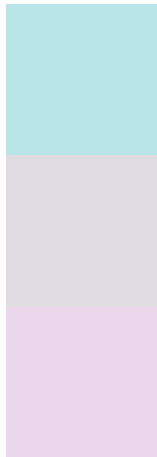
This preview shows how white text looks on a background with the XYZ color 62.8345, 72.3039,



# 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

62.8345, 72.3039, 86.9883

### Protanopia

69.4904, 71.8420, 82.1559

### Deuteranopia

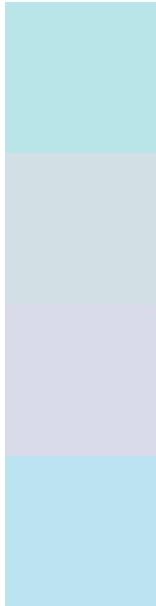
73.3029, 71.7535, 88.5836



## Tritanopia

64.9368, 72.3496, 96.9285

# Trichromacy



## Original Color

62.8345, 72.3039, 86.9883

## Protanomaly

66.9696, 72.0784, 83.7816

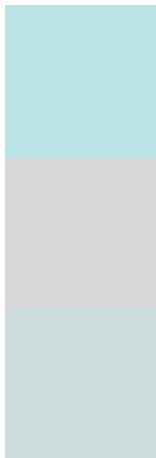
## Deuteranomaly

68.7981, 71.3553, 87.9888

## Tritanomaly

64.2106, 72.4694, 93.0418

# Monochromacy



## Original Color

62.8345, 72.3039, 86.9883

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.2181, 69.9660, 79.2274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8345, 72.3039, 86.9883 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(186, 229, 232)` looks like.

```
.text, #text, p{  
    color:rgb(186, 229, 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(186, 229, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 229, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8345, 72.3039, 86.9883 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(186, 229, 232) }
```



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

```
.border{ border-color:rgb(186, 229, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 229, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 229, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 229, 232);  
box-shadow:4px 4px 4px 4px rgb(186, 229,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8345, 72.3039, 86.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 229, 232) }
```

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

```
.background{ background-color: rgb(186,  
229, 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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