

# Converting Colors

XYZ(62.5496, 73.8554, 89.2063)

Have a look what the booklet for  
XYZ(62.5496, 73.8554, 89.2063)  
contains.

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# Color

**XYZ(62.4944, 73.7410,  
89.5369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E9EB
RGB	178, 233, 235
RGB Percent	70%, 91%, 92%
CMY	0.3020, 0.0863, 0.0784
CMYK	0.24, 0.01, 0.00, 0.08
HSL	182°, 59%, 81%
HSV	182°, 24%, 92%
XYZ	62.4944, 73.7410, 89.5369
YIQ	216.7830, -33.4220, -11.0380

# Conversions

## Conversions Part 2

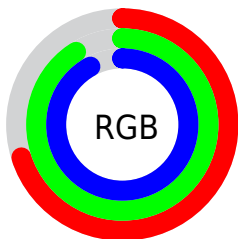
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 206, 235
Decimal	11725291
CIE Lab	88.80, -16.94, -6.69
CIE LCh	89, 18.214, 201.533
Yxy	73.7410, 0.2768, 0.3266
Android (android.graphics.Color)	4289915371 (0xFFB2E9EB)
YUV	216.7830, 8.9810, -34.0127
Hunter-Lab	85.8726, -20.3723, -1.7092

# Details

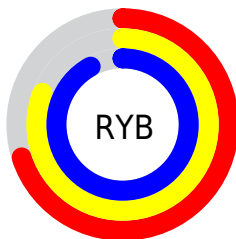
The XYZ color **62.4944, 73.7410, 89.5369** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6188, 53.5193, 49.3616**, and the grayscale version is **65.7634, 69.1882, 75.3459**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **32.1710, 38.9840, 48.4769** is the 20% darker color. If you saturate the color by 10%, you get **57.3256, 70.7330, 89.2299**, and if you desaturate by 10%, it is **68.5923, 77.2333, 89.8908**.

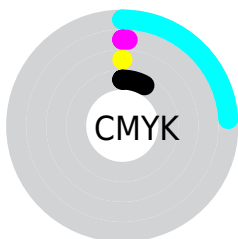
# Distribution



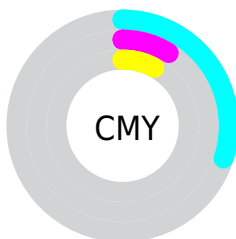
- Red (70%)
- Green (91%)
- Blue (92%)



- Red (70%)
- Yellow (81%)
- Blue (92%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (30%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4944, 73.7410, 89.5369 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 62.4944, 73.7410, 89.5369 by changing the saturation by 10% instead.



62.4944, 73.7410,  
89.5369

62.4944, 73.7410,  
89.5369

423.4211,  
473.5790, 547.0544

45.6894, 54.5821,  
67.0251

107.5257,  
124.5286, 148.6249

32.2044, 39.0672,  
48.6433

136.4827,  
156.9260, 186.0381

21.6740, 26.8120,  
33.9730

170.2210,  
194.5051, 229.2555

13.7328, 17.4321,  
22.5956

209.1062,  
237.6503, 278.6956

8.0155, 10.5430,  
14.0927

253.5034,  
286.7458, 334.7770

4.1568, 5.7605,  
8.0457

303.7780,

1.7912, 2.7000,

342.1762, 397.9183

4.0360

360.2955,  
404.3258, 468.5379

■ 0.5124, 0.9772,  
1.6451

■ 0.0000, 0.0000,  
0.3227

■ 62.4944, 73.7410,  
89.5369

■ 62.4944, 73.7410,  
89.5369

■ 57.3256, 70.7330,  
89.2299

■ 68.5923, 77.2333,  
89.8908

■ 53.0323, 68.1761,  
88.9627

■ 75.6565, 81.2235,  
90.2887

■ 49.5654, 66.0469,  
88.7344

■ 83.7301, 85.7356,  
90.7341

■ 46.8685, 64.3162,  
88.5425

■ 86.3169, 87.4209,  
90.9230

■ 44.8779, 62.9512,  
88.3840

■ 86.5550, 87.8969,  
91.0023

■ 43.5198, 61.9140,  
88.2553

■ 86.7941, 88.3751,  
91.0820

■ 42.7042, 61.1579,  
88.1524

■ 87.0342, 88.8555,  
91.1621

■ 42.4014, 60.8097,  
88.1011

■ 87.2755, 89.3381,  
91.2425

■ 87.5179, 89.8229,  
91.3233

# Harmonies

## Analogous

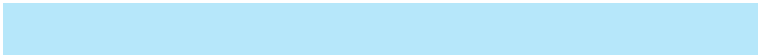
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.0330, 73.7410, 76.7691



62.4944, 73.7410, 89.5369



64.9459, 73.7410, 100.8419

# Triad

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



62.4944, 73.7410, 89.5369



76.9383, 73.7410, 96.3623



71.3444, 73.7410, 58.5906

# Complementary

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



62.4944, 73.7410, 89.5369



58.6188, 53.5193, 49.3616

# 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.



75.4959, 73.7410, 62.7417



62.4944, 73.7410, 89.5369



78.8131, 73.7410, 83.9199

# Square

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



62.4944, 73.7410, 89.5369



73.2466, 73.7410, 105.0611



78.2744, 73.7410, 71.7053



67.0227, 73.7410, 59.7572

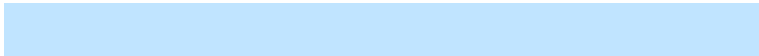


# Rectangle

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



62.4944, 73.7410, 89.5369



67.4373, 73.7410, 105.5935



78.2744, 73.7410, 71.7053



72.8086, 73.7410, 59.3931

# Sweetspot

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



62.4966, 73.7440, 89.5386



88.5860, 96.3720, 108.5404



56.2978, 72.1742, 54.0918



18.8477, 20.5637, 23.2258



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

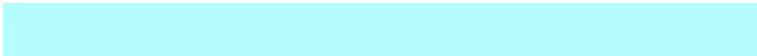


# Same Dimension

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



62.4966, 73.7440, 89.5386



72.0568, 86.9279, 107.5887



55.0926, 58.9361, 87.0706



15.4698, 17.0260, 19.3933



23.6186, 33.8842, 49.0384



1.8688, 2.6891, 3.8554



# Inverse Universe

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



64.8910, 55.3877, 84.3650



75.4097, 61.3823, 100.3092



64.9517, 66.1850, 51.4725



15.6907, 15.3041, 18.9224



26.7769, 12.9134, 41.4879

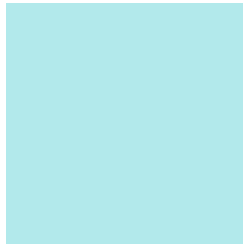


2.1098, 1.0169, 3.2955



# Previews

## White Background



This preview shows how the XYZ color 62.4944, 73.7410, 89.5369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

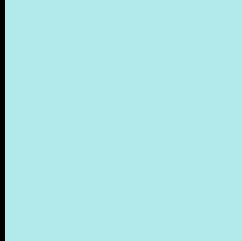
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.4944, 73.7410, 89.5369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

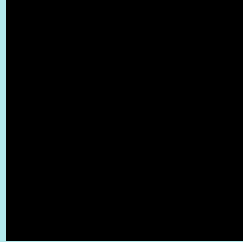
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.4944, 73.7410, 89.5369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4944, 73.7410, 89.5369.



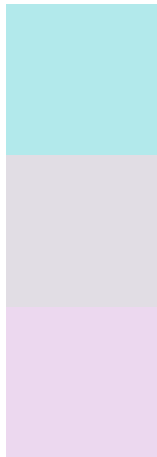
This preview shows how white text looks on a background with the XYZ color 62.4944, 73.7410,



# 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

62.4944, 73.7410, 89.5369

### Protanopia

70.9114, 73.3219, 83.8139

### Deuteranopia

74.7279, 73.1766, 91.8473



## Tritanopia

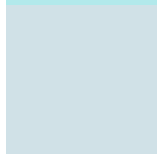
64.7309, 73.8151, 100.4586

# Trichromacy



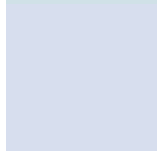
## Original Color

62.4944, 73.7410, 89.5369



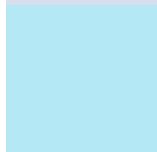
## Protanomaly

67.3614, 73.0298, 86.1471



## Deuteranomaly

69.5782, 72.8627, 91.2857



## Tritanomaly

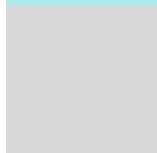
64.0081, 73.9482, 96.4878

# Monochromacy



## Original Color

62.4944, 73.7410, 89.5369



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

64.4708, 70.8537, 80.7992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4944, 73.7410, 89.5369 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(178, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(178, 233, 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(178, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 233, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4944, 73.7410, 89.5369 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(178, 233, 235) }
```



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

```
.border{ border-color:rgb(178, 233, 235) }
```

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

Here you see how a box with a 4 pixel rgb(178, 233, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(178, 233,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4944, 73.7410, 89.5369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 233, 235) }
```

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

```
.background{ background-color: rgb(178,  
233, 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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