

# Converting Colors

XYZ(60.7514, 74.0570, 77.3959)

Have a look what the booklet for  
XYZ(60.7514, 74.0570, 77.3959)  
contains.

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# Color

**XYZ(60.7233, 73.9436,  
77.4018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EBDA
RGB	178, 235, 218
RGB Percent	70%, 92%, 85%
CMY	0.3020, 0.0784, 0.1451
CMYK	0.24, 0.00, 0.07, 0.08
HSL	162°, 59%, 81%
HSV	162°, 24%, 92%
XYZ	60.7233, 73.9436, 77.4018
YIQ	216.0190, -28.5150, -17.3710

# Conversions

## Conversions Part 2

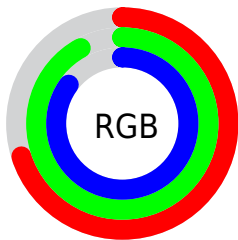
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 211, 235
Decimal	11725786
CIELab	88.90, -21.50, 2.36
CIElCh	89, 21.632, 173.738
Yxy	73.9436, 0.2863, 0.3487
Android (android.graphics.Color)	4289915866 (0xFFB2EBDA)
YUV	216.0190, 0.9766, -33.3427
Hunter-Lab	85.9905, -24.4332, 6.8252

# Details

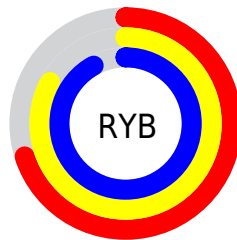
The XYZ color **60.7233, 73.9436, 77.4018** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.0342, 53.4450, 58.7845**, and the grayscale version is **65.2923, 68.6926, 74.8063**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **31.0431, 39.1696, 40.5747** is the 20% darker color. If you saturate the color by 10%, you get **54.8887, 71.0415, 72.4422**, and if you desaturate by 10%, it is **67.5246, 77.3435, 82.6123**.

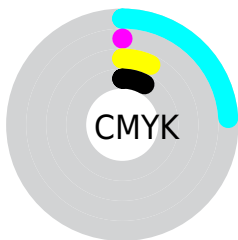
# Distribution



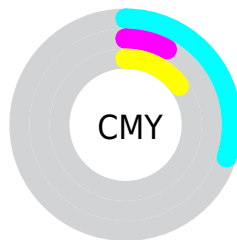
- Red (70%)
- Green (92%)
- Blue (85%)



- Red (70%)
- Yellow (83%)
- Blue (92%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)




- Cyan (30%)
- Magenta (8%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7233, 73.9436, 77.4018 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 60.7233, 73.9436, 77.4018 by changing the saturation by 10% instead.





 60.7233, 73.9436,  
77.4018

 60.7233, 73.9436,  
77.4018


417.0509,  
474.2787, 505.6069

 44.2536, 54.7479,  
57.0692


 104.9786,  
124.8159, 131.4847

 31.0687, 39.1999,  
40.6511


133.4949,  
157.2612, 166.0720

 20.8032, 26.9153,  
27.7289


166.7574,  
194.8918, 206.2481

 13.0919, 17.5096,  
17.8841

205.1315,  
238.0922, 252.4313

 7.5693, 10.5985,  
10.6982

248.9825,  
287.2467, 305.0402

 3.8701, 5.7975,  
5.7527


298.6759,

 1.6289, 2.7224,


342.7396, 364.4934


2.6290


354.5769,  
404.9555, 431.2095


 0.4111, 0.9886,  
0.9073


 0.0000, 0.0000,  
0.0000


 60.7233, 73.9436,  
77.4018


 60.7233, 73.9436,  
77.4018


 54.8887, 71.0415,  
72.4422


 67.5246, 77.3435,  
82.6123


 49.9669, 68.6035,  
67.7238

 75.3305, 81.2548,  
88.0733

 45.9083, 66.6062,  
63.2434

 84.1845, 85.7018,  
93.7906

 42.6560, 65.0203,  
58.9957

 87.5905, 87.3357,  
99.4627

■ 40.1458, 63.8126,  
54.9752

■ 88.6874, 87.7745,  
105.2388

■ 38.3034, 62.9450,  
51.1755

■ 88.9997, 87.8994,  
106.8832

■ 37.0383, 62.3708,  
47.5899

■ 36.4927, 62.1326,  
45.6223

# Harmonies

## Analogous

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



62.4573, 73.9436, 64.6048



60.7233, 73.9436, 77.4018



61.4457, 73.9436, 92.7105

# Triad

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



60.7233, 73.9436, 77.4018



74.4206, 73.9436, 109.9584



76.4181, 73.9436, 59.3922

# Complementary

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



60.7233, 73.9436, 77.4018



60.0342, 53.4450, 58.7845

# 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.



79.9254, 73.9436, 69.4334



60.7233, 73.9436, 77.4018



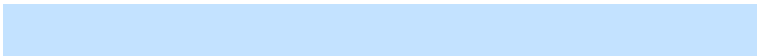
78.7326, 73.9436, 98.8369

# Square

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



60.7233, 73.9436, 77.4018



69.1866, 73.9436, 112.7787



80.7928, 73.9436, 83.7044



71.3872, 73.9436, 55.0739

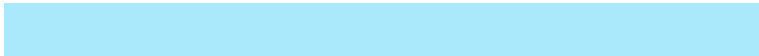


# Rectangle

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



60.7233, 73.9436, 77.4018



63.2420, 73.9436, 102.1822



80.7928, 73.9436, 83.7044



77.8242, 73.9436, 62.1450

# Sweetspot

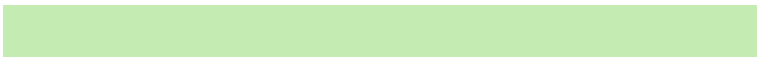
The Sweet Spot groups the original color and five complimentary colors.



60.7254, 73.9466, 77.4035



87.9396, 96.4322, 104.1544



60.2780, 74.2496, 53.2752



18.6977, 20.5778, 22.2073



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

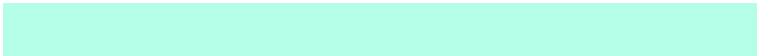


# Same Dimension

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



60.7254, 73.9466, 77.4035



69.5275, 87.2297, 90.2199



59.9061, 68.5625, 88.6773



15.3151, 17.0409, 18.3423



20.3678, 34.6016, 25.6996



1.6414, 2.7339, 2.2393



# Inverse Universe

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



60.0342, 53.4450, 58.7845



68.5664, 58.6450, 64.2732



60.5829, 57.4461, 50.0157



15.2504, 15.1280, 16.6037



19.7337, 10.0962, 4.3992

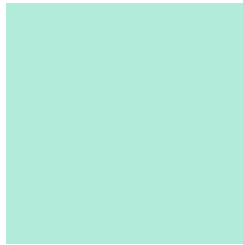


1.5906, 0.8092, 0.5615



# Previews

## White Background



This preview shows how the XYZ color 60.7233, 73.9436, 77.4018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

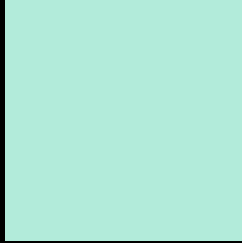
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.7233, 73.9436, 77.4018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

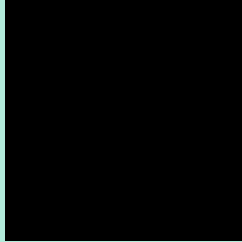
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

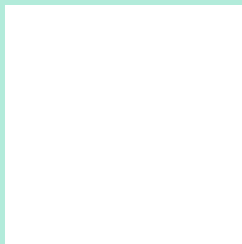
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.7233, 73.9436, 77.4018

## Background



This preview shows how black text looks on a background with the XYZ color 60.7233, 73.9436, 77.4018.



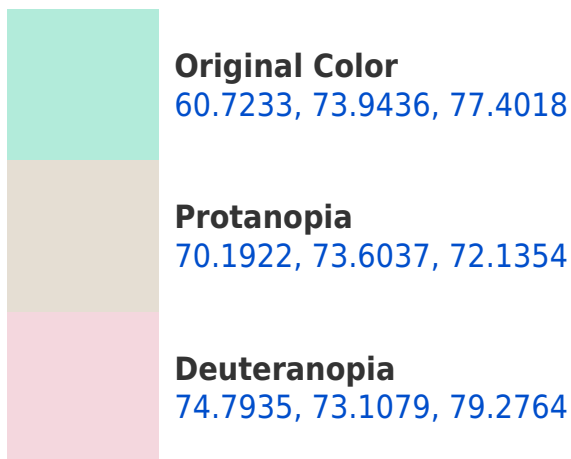
This preview shows how white text looks on a background with the XYZ color 60.7233, 73.9436,



# 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

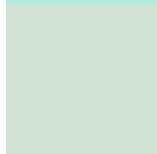
65.1629, 73.6235, 100.3988

# Trichromacy



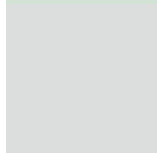
## Original Color

60.7233, 73.9436, 77.4018



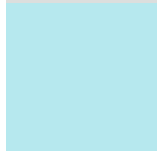
## Protanomaly

66.1850, 73.4948, 74.3159



## Deuteranomaly

68.6876, 72.6787, 78.8148



## Tritanomaly

63.5806, 73.8314, 91.7887

# Monochromacy



## Original Color

60.7233, 73.9436, 77.4018



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

63.2692, 70.3417, 75.8883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7233, 73.9436, 77.4018 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, 235, 218)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 218)  
}
```

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, 235, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7233, 73.9436, 77.4018 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, 235, 218) }
```



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

```
.border{ border-color:rgb(178, 235, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 235, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 235, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 235, 218); box-shadow:4px 4px 4px 4px rgb(178, 235, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7233, 73.9436, 77.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 235, 218) }
```

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

```
.background{ background-color: rgb(178,  
235, 218) }
```

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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