

# Converting Colors

XYZ(61.3308, 74.0894, 81.2828)

Have a look what the booklet for  
XYZ(61.3308, 74.0894, 81.2828)  
contains.

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# Color

**XYZ(61.5230, 74.2635,  
81.6127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EBE0
RGB	178, 235, 224
RGB Percent	70%, 92%, 88%
CMY	0.3020, 0.0784, 0.1216
CMYK	0.24, 0.00, 0.05, 0.08
HSL	168°, 59%, 81%
HSV	168°, 24%, 92%
XYZ	61.5230, 74.2635, 81.6127
YIQ	216.7030, -30.4410, -15.5050

# Conversions

## Conversions Part 2

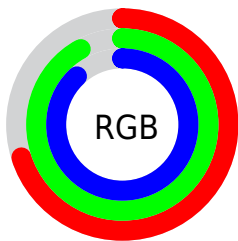
Format	Color
<a href="#">RYB</a>	<a href="#">178, 210, 235</a>
Decimal	<a href="#">11725792</a>
CIELab	<a href="#">89.05, -20.27, -0.56</a>
CIELCh	<a href="#">89, 20.279, 181.582</a>
Yxy	<a href="#">74.2635, 0.2830, 0.3416</a>
Android (android.graphics.Color)	<a href="#">4289915872</a> ( <a href="#">0xFFB2EBE0</a> )
YUV	<a href="#">216.7030, 3.5974, -33.9425</a>
Hunter-Lab	<a href="#">86.1763, -23.3737, 4.1732</a>

# Details

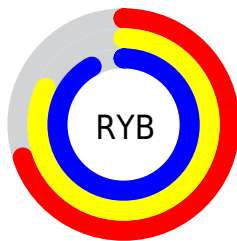
The XYZ color **61.5230, 74.2635, 81.6127** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3693, 53.1791, 55.2827**, and the grayscale version is **65.7429, 69.1666, 75.3224**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **31.5937, 39.3899, 43.4740** is the 20% darker color. If you saturate the color by 10%, you get **55.9794, 71.4778, 78.1857**, and if you desaturate by 10%, it is **68.0109, 77.5381, 85.1727**.

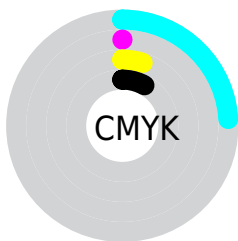
# Distribution



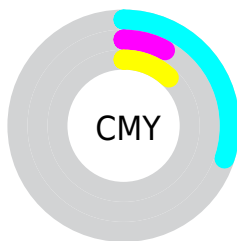
- Red (70%)
- Green (92%)
- Blue (88%)



- Red (70%)
- Yellow (82%)
- Blue (92%)



- Cyan (24%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (30%)
- Magenta (8%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5230, 74.2635, 81.6127 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 61.5230, 74.2635, 81.6127 by changing the saturation by 10% instead.



61.5230, 74.2635,  
81.6127

61.5230, 74.2635,  
81.6127

419.9344,  
475.3823, 520.2007

44.9015, 55.0097,  
60.5124

106.1297,  
125.2693, 137.4625

31.5808, 39.4095,  
43.4038

134.8456,  
157.7901, 173.0492

21.1955, 27.0785,  
29.8683

168.3237,  
195.5020, 214.3016

13.3803, 17.6322,  
19.4874

206.9293,  
238.7894, 261.6385

7.7697, 10.6862,  
11.8427

251.0278,  
288.0368, 315.4783

3.9985, 5.8563,  
6.5154

300.9846,

1.7013, 2.7579,


343.6284, 376.2396


3.0871


357.1650,  
405.9488, 444.3408


 0.4571, 1.0067,  
1.1393


 0.0000, 0.0000,  
0.0000


 61.5230, 74.2635,  
81.6127


 61.5230, 74.2635,  
81.6127

 55.9794, 71.4778,  
78.1857


 68.0109, 77.5381,  
85.1727


 51.3266, 69.1474,  
74.8839

 75.4807, 81.3149,  
88.8635

 47.5154, 67.2491,  
71.7058

 83.9754, 85.6182,  
92.6892

 44.4891, 65.7535,  
68.6482

 86.9987, 87.0990,  
96.3464

■ 42.1839, 64.6278,  
65.7073

■ 87.6893, 87.3752,  
99.9827

■ 40.5260, 63.8340,  
62.8791

■ 88.3968, 87.6582,  
103.7087

■ 39.4251, 63.3255,  
60.1585

■ 88.9997, 87.8994,  
106.8832

■ 38.9649, 63.1214,  
58.6405

# Harmonies

## Analogous

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



62.5683, 74.2635, 68.6109



61.5230, 74.2635, 81.6127



62.8103, 74.2635, 95.9358

# Triad

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



61.5230, 74.2635, 81.6127



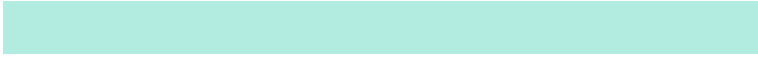
75.6696, 74.2635, 106.2759



75.1955, 74.2635, 59.2471

# Complementary

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



61.5230, 74.2635, 81.6127



59.3693, 53.1791, 55.2827

# 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.



78.9767, 74.2635, 67.4531



61.5230, 74.2635, 81.6127



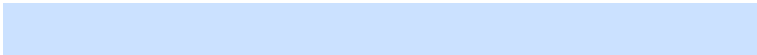
79.2593, 74.2635, 94.4872

# Square

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



61.5230, 74.2635, 81.6127



70.8474, 74.2635, 111.1635



80.4963, 74.2635, 80.1126



70.3237, 74.2635, 56.6349

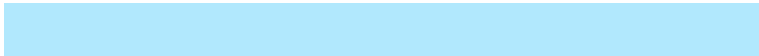


# Rectangle

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



61.5230, 74.2635, 81.6127



64.8545, 74.2635, 104.0628



80.4963, 74.2635, 80.1126



76.6440, 74.2635, 61.3917

# Sweetspot

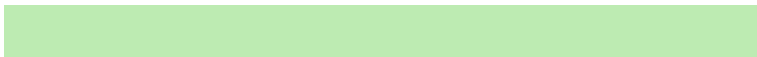
The Sweet Spot groups the original color and five complimentary colors.



61.5251, 74.2665, 81.6144



88.2353, 96.5504, 105.7113



58.8322, 73.5042, 53.2077



18.7663, 20.6052, 22.5685



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

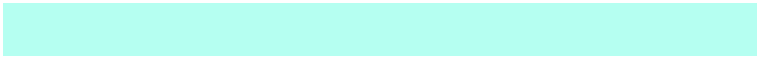


# Same Dimension

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



61.5251, 74.2665, 81.6144



70.6640, 87.6843, 96.2047



58.4033, 65.5568, 88.1764



15.3858, 17.0691, 18.7142



21.7303, 35.1466, 32.8745



1.7383, 2.7726, 2.7496



# Inverse Universe

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



59.3693, 53.1791, 55.2827



67.6611, 58.2829, 59.5059



61.8369, 59.9539, 50.4339



15.1843, 15.1016, 16.2557



19.3704, 9.9508, 2.4858

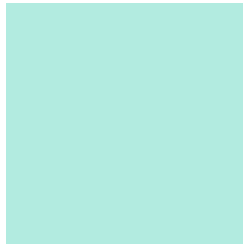


1.5539, 0.7945, 0.3683



# Previews

## White Background



This preview shows how the XYZ color 61.5230, 74.2635, 81.6127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

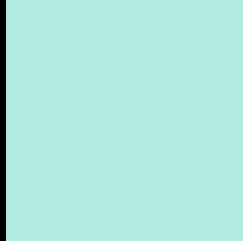
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5230, 74.2635, 81.6127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

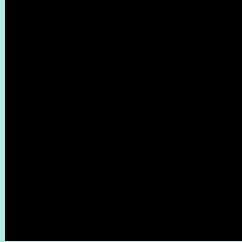
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

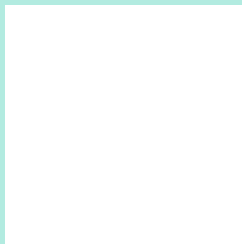
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.5230, 74.2635, 81.6127

## Background



This preview shows how black text looks on a background with the XYZ color 61.5230, 74.2635, 81.6127.



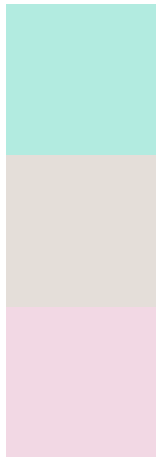
This preview shows how white text looks on a background with the XYZ color 61.5230, 74.2635,



# 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

61.5230, 74.2635, 81.6127

### Protanopia

70.6406, 73.7463, 76.1569

### Deuteranopia

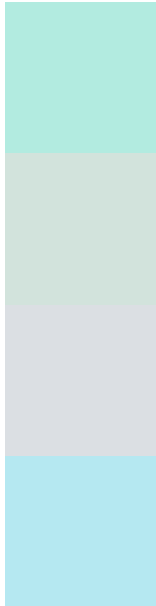
75.1774, 73.5904, 83.6409



## Tritanopia

65.3597, 74.1212, 101.3045

# Trichromacy



## Original Color

61.5230, 74.2635, 81.6127

## Protanomaly

66.9657, 73.8071, 78.4269

## Deuteranomaly

69.4662, 73.3815, 83.1758

## Tritanomaly

63.7899, 73.8879, 94.1188

# Monochromacy



## Original Color

61.5230, 74.2635, 81.6127

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

64.2025, 71.1751, 78.0645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5230, 74.2635, 81.6127 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5230, 74.2635, 81.6127 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, 224) }
```



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

```
.border{ border-color:rgb(178, 235, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 235, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 235, 224); box-shadow:4px 4px 4px 4px rgb(178, 235, 224) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5230, 74.2635, 81.6127 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, 224) }
```

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

```
.background{ background-color: rgb(178,  
235, 224) }
```

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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