

# Converting Colors

XYZ(61.2285, 67.8480, 90.1055)

Have a look what the booklet for  
XYZ(61.2285, 67.8480, 90.1055)  
contains.

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# Color

**XYZ(61.1290, 67.7399,  
89.9740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADCED
RGB	186, 220, 237
RGB Percent	73%, 86%, 93%
CMY	0.2706, 0.1372, 0.0706
CMYK	0.22, 0.07, 0.00, 0.07
HSL	200°, 59%, 83%
HSV	200°, 22%, 93%
XYZ	61.1290, 67.7399, 89.9740
YIQ	211.7720, -25.7210, -1.9210

# Conversions

## Conversions Part 2

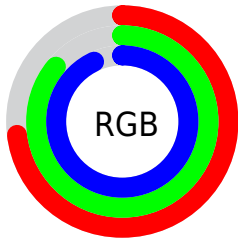
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	186, 206, 237
Decimal	12246253
CIE <sub>Lab</sub>	85.88, -7.53, -12.03
CIE <sub>LCh</sub>	86, 14.193, 237.957
Y <sub>xy</sub>	67.7399, 0.2793, 0.3095
Android (android.graphics.Color)	4290436333 (0xFFBADCED)
YUV	211.7720, 12.4374, -22.6020
Hunter-Lab	82.3043, -11.4570, -7.2021

# Details

The XYZ color **61.1290, 67.7399, 89.9740** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65.1447, 64.2619, 55.4263**, and the grayscale version is **62.3619, 65.6095, 71.4488**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **31.3113, 35.1520, 48.8508** is the 20% darker color. If you saturate the color by 10%, you get **53.8180, 60.9673, 89.0532**, and if you desaturate by 10%, it is **69.4969, 75.2062, 90.9752**.

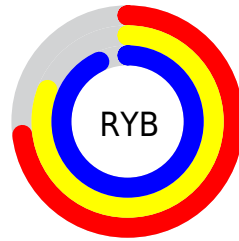
# Distribution



Red (73%)

Green (86%)

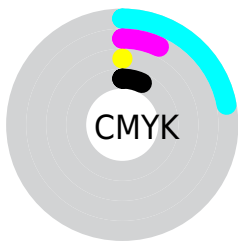
Blue (93%)



Red (73%)

Yellow (81%)

Blue (93%)

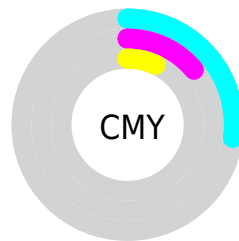


Cyan (22%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (14%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1290, 67.7399, 89.9740 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 61.1290, 67.7399, 89.9740 by changing the saturation by 10% instead.



■ 61.1290, 67.7399,  
89.9740

■ 61.1290, 67.7399,  
89.9740

418.5152,  
452.5739, 548.5142

■ 44.5822, 49.6862,  
67.3855

■ 105.5628,  
115.9800, 149.2375

■ 31.3284, 35.1641,  
48.9344

134.1804,  
146.9351, 186.7495

■ 21.0021, 23.7893,  
34.2022

167.5525,  
182.9595, 230.0732

■ 13.2380, 15.1774,  
22.7704

206.0442,  
224.4375, 279.6270

■ 7.6708, 8.9440,  
14.2203

250.0210,  
271.7536, 335.8294

■ 3.9350, 4.7047,  
8.1336

299.8482,

■ 1.6654, 2.0750,

325.2920, 399.0991

4.0915

355.8911,  
385.4374, 469.8545

■ 0.4345, 0.6505,  
1.6757

■ 0.0000, 0.0000,  
0.3440

■ 61.1290, 67.7399,  
89.9740

■ 61.1290, 67.7399,  
89.9740

■ 53.8180, 60.9673,  
89.0532

■ 69.4969, 75.2062,  
90.9752

■ 47.5095, 54.8533,  
88.2056

■ 78.9609, 83.3831,  
92.0547

■ 42.1531, 49.3715,  
87.4298

■ 88.7871, 91.8961,  
93.1800

■ 37.6913, 44.4902,  
86.7228

■ 91.2112, 96.7444,  
93.9880

■ 34.0599, 40.1743,  
86.0811

■ 92.2863, 98.8945,  
94.3464

■ 31.1855, 36.3837,  
85.5009

■ 28.9801, 33.0707,  
84.9777

■ 27.5152, 30.5724,  
84.5727

# Harmonies

## Analogous

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



59.0263, 67.7399, 82.4605



61.1290, 67.7399, 89.9740



64.1624, 67.7399, 93.1065

# Triad

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



61.1290, 67.7399, 89.9740



70.8273, 67.7399, 74.3966



61.5022, 67.7399, 59.0650

# Complementary

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



61.1290, 67.7399, 89.9740



65.1447, 64.2619, 55.4263

# 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.



64.6076, 67.7399, 57.2936



61.1290, 67.7399, 89.9740



70.0580, 67.7399, 65.6890

# Square

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



61.1290, 67.7399, 89.9740



69.8228, 67.7399, 83.6556



67.7541, 67.7399, 59.6164



59.2367, 67.7399, 64.6721



# Rectangle

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



61.1290, 67.7399, 89.9740



66.3286, 67.7399, 92.1062



67.7541, 67.7399, 59.6164



62.4792, 67.7399, 58.0229

# Sweetspot

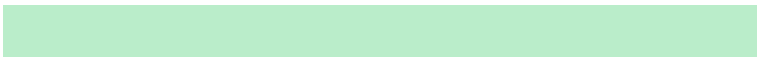
The Sweet Spot groups the original color and five complimentary colors.



61.1310, 67.7427, 89.9755



88.0382, 94.0023, 108.1119



61.2137, 75.2802, 67.2760



18.6867, 19.9847, 23.1225



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

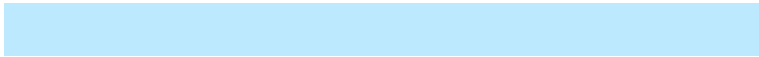


# Same Dimension

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



61.1310, 67.7427, 89.9755



68.0734, 76.2235, 105.7325



55.1309, 55.7424, 87.9755



15.0702, 16.2269, 19.2601



15.1476, 16.9423, 46.2148



1.2772, 1.5060, 3.6582



# Inverse Universe

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



65.4039, 58.2914, 75.5174



74.0673, 63.4039, 85.3527



71.4364, 76.8454, 57.5236



15.4890, 15.2235, 17.8604



22.5011, 11.2031, 18.9721

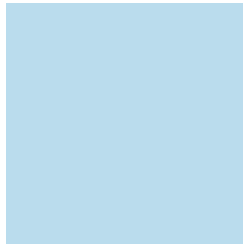


1.8112, 0.8974, 1.7231



# Previews

## White Background



This preview shows how the XYZ color 61.1290, 67.7399, 89.9740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

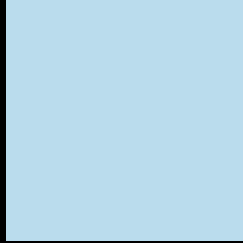
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1290, 67.7399, 89.9740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

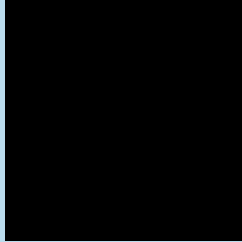
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.1290, 67.7399, 89.9740

## Background



This preview shows how black text looks on a background with the XYZ color 61.1290, 67.7399, 89.9740.



This preview shows how white text looks on a background with the XYZ color 61.1290, 67.7399,



# 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

61.1290, 67.7399, 89.9740

### Protanopia

65.9428, 67.6178, 86.6668

### Deuteranopia

68.8119, 67.5209, 91.0674



## Tritanopia

61.1290, 67.7399, 89.9740

# Trichromacy



## Original Color

61.1290, 67.7399, 89.9740

## Protanomaly

64.0358, 67.7488, 87.5437

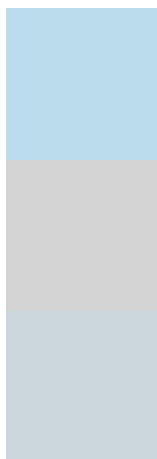
## Deuteranomaly

65.8052, 67.4632, 90.4423

## Tritanomaly

61.1290, 67.7399, 89.9740

# Monochromacy



## Original Color

61.1290, 67.7399, 89.9740

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.9802, 66.5178, 77.9791

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1290, 67.7399, 89.9740 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, 220, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 220, 237)  
}
```

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, 220, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 220, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1290, 67.7399, 89.9740 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, 220, 237) }
```



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

```
.border{ border-color:rgb(186, 220, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 220, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 220, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 220, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 220,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1290, 67.7399, 89.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 220, 237) }
```

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

```
.background{ background-color: rgb(186,  
220, 237) }
```

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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