

# Converting Colors

XYZ(61.1089, 69.2884, 81.6760)

Have a look what the booklet for  
XYZ(61.1089, 69.2884, 81.6760)  
contains.

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# Color

**XYZ(60.9645, 69.0304,  
81.3452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDDFE1
RGB	189, 223, 225
RGB Percent	74%, 87%, 88%
CMY	0.2588, 0.1255, 0.1176
CMYK	0.16, 0.01, 0.00, 0.12
HSL	183°, 38%, 81%
HSV	183°, 16%, 88%
XYZ	60.9645, 69.0304, 81.3452
YIQ	213.0620, -20.9060, -6.5860

# Conversions

## Conversions Part 2

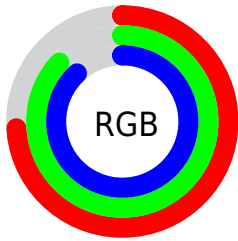
Format	Color
<b>RYB</b>	189, 206, 225
Decimal	12443617
CIELab	86.52, -10.69, -4.72
CIELCh	87, 11.684, 203.824
Yxy	69.0304, 0.2885, 0.3266
Android (android.graphics.Color)	4290633697 (0xFFBDDFE1)
YUV	213.0620, 5.8854, -21.1024
Hunter-Lab	83.0845, -14.4209, 0.1104

# Details

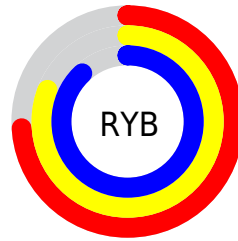
The XYZ color **60.9645, 69.0304, 81.3452** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.8679, 56.9431, 56.0337**, and the grayscale version is **63.2608, 66.5553, 72.4787**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **31.2500, 36.0584, 43.3431** is the 20% darker color. If you saturate the color by 10%, you get **55.4788, 65.7110, 80.9947**, and if you desaturate by 10%, it is **67.3225, 72.8068, 81.7401**.

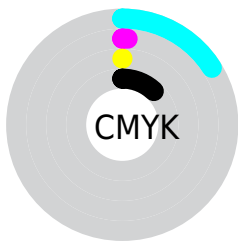
# Distribution



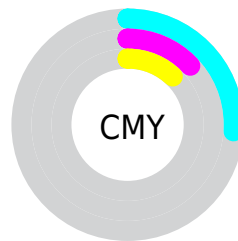
- Red (74%)
- Green (87%)
- Blue (88%)



- Red (74%)
- Yellow (81%)
- Blue (88%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (26%)
- Magenta (13%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.9645, 69.0304, 81.3452 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 60.9645, 69.0304, 81.3452 by changing the saturation by 10% instead.



60.9645, 69.0304,  
81.3452

60.9645, 69.0304,  
81.3452

417.9218,  
457.1382, 519.2806

44.4489, 50.7365,  
60.2933

105.3259,  
117.8250, 137.0838

31.2230, 35.9989,  
43.2282

133.9025,  
149.0944, 172.6076

20.9214, 24.4334,  
29.7315

167.2302,  
185.4579, 213.7923

13.1787, 15.6554,  
19.3846

205.6743,  
227.2996, 261.0567

7.6296, 9.2806,  
11.7689

249.6001,  
275.0042, 314.8192

3.9086, 4.9247,  
6.4659

299.3731,

1.6506, 2.2031,

328.9558, 375.4983

3.0570

355.3585,  
389.5390, 443.5126

■ 0.4250, 0.7217,  
1.1238

■ 0.0000, 0.0000,  
0.0000

■ 60.9645, 69.0304,  
81.3452

■ 60.9645, 69.0304,  
81.3452

■ 55.4788, 65.7110,  
80.9947

■ 67.3225, 72.8068,  
81.7401

■ 50.8196, 62.8195,  
80.6822


■ 74.5841, 77.0508,  
82.1766


■ 46.9460, 60.3367,  
80.4071


■ 82.2313, 81.4972,  
82.6318

■ 43.8112, 58.2383,  
80.1673


■ 82.5734, 82.1815,  
82.7458

 41.3635, 56.4978,  
79.9604


 82.9180, 82.8706,  
82.8607


 39.5443, 55.0849,  
79.7835


 83.2650, 83.5648,  
82.9764

 38.2856, 53.9645,  
79.6336

 83.6146, 84.2639,  
83.0929

 37.5028, 53.0931,  
79.5067

 83.9667, 84.9680,  
83.2102

 37.2647, 52.7842,  
79.4596

 84.3212, 85.6772,  
83.3284

# Harmonies

## Analogous

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



60.5718, 69.0304, 73.5701



60.9645, 69.0304, 81.3452



62.5869, 69.0304, 87.8475

# Triad

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



60.9645, 69.0304, 81.3452



69.9027, 69.0304, 84.3083



66.1729, 69.0304, 61.2961

# Complementary

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



60.9645, 69.0304, 81.3452



58.8679, 56.9431, 56.0337

# 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.



68.7316, 69.0304, 63.7613



60.9645, 69.0304, 81.3452



70.9229, 69.0304, 76.7774

# Square

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



60.9645, 69.0304, 81.3452



67.7361, 69.0304, 89.6388



70.4885, 69.0304, 69.3011



63.5315, 69.0304, 62.3350



# Rectangle

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



60.9645, 69.0304, 81.3452



64.1720, 69.0304, 90.4057



70.4885, 69.0304, 69.3011



67.0720, 69.0304, 61.7367

# Sweetspot

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



60.9665, 69.0333, 81.3467



90.2886, 97.2111, 108.6126



57.2946, 68.4232, 59.3633



19.1875, 20.7260, 23.2392



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.



60.9665, 69.0333, 81.3467



78.5652, 90.2379, 107.8846



56.4572, 60.0146, 79.8436



14.0480, 15.4352, 17.6266



21.5023, 30.4743, 45.7972



1.5106, 2.1526, 3.1811



# Inverse Universe

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



62.5698, 57.7318, 77.6609



81.0642, 72.7160, 102.1184



62.9892, 65.1857, 57.4074



14.2605, 13.9218, 17.1418



24.7936, 11.9844, 37.1744

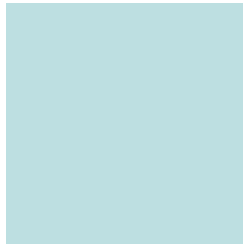


1.7287, 0.8348, 2.6303



# Previews

## White Background



This preview shows how the XYZ color 60.9645, 69.0304, 81.3452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

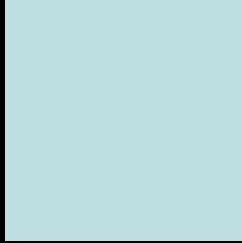
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.9645, 69.0304, 81.3452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

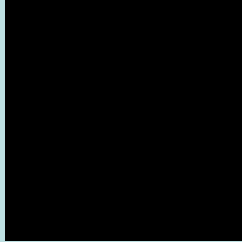
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.9645, 69.0304, 81.3452

## Background



This preview shows how black text looks on a background with the XYZ color 60.9645, 69.0304, 81.3452.



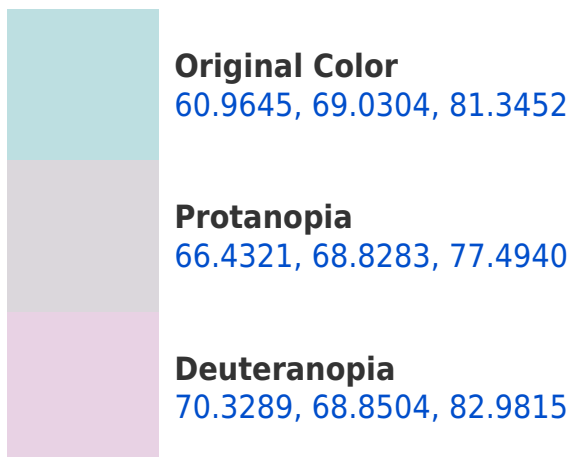
This preview shows how white text looks on a background with the XYZ color 60.9645, 69.0304,



# 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

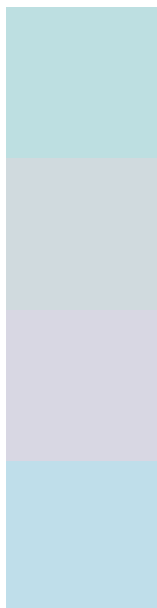




## Tritanopia

63.1747, 69.1514, 91.6792

# Trichromacy



## Original Color

60.9645, 69.0304, 81.3452

## Protanomaly

64.2686, 68.8266, 79.0048

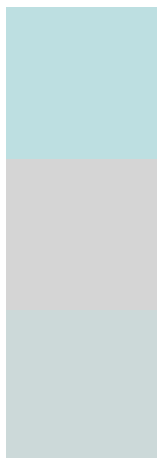
## Deuteranomaly

66.4845, 68.7459, 82.4382

## Tritanomaly

62.4584, 69.2594, 87.9184

# Monochromacy



## Original Color

60.9645, 69.0304, 81.3452

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.2391, 67.4728, 75.3888

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.9645, 69.0304, 81.3452 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(189, 223, 225)` looks like.

```
.text, #text, p{  
    color:rgb(189, 223, 225)  
}
```

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(189, 223, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 223, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 60.9645, 69.0304, 81.3452 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(189, 223, 225) }
```



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

```
.border{ border-color:rgb(189, 223, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 223, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 223, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 223, 225);  
box-shadow:4px 4px 4px 4px rgb(189, 223,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.9645, 69.0304, 81.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 223, 225) }
```

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

```
.background{ background-color: rgb(189,  
223, 225) }
```

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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