

# Converting Colors

XYZ(63.7731, 65.0978, 81.3933)

Have a look what the booklet for  
XYZ(63.7731, 65.0978, 81.3933)  
contains.

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# Color

**XYZ(63.6793, 65.0890,  
81.1587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D1E2
RGB	212, 209, 226
RGB Percent	83%, 82%, 89%
CMY	0.1686, 0.1804, 0.1137
CMYK	0.06, 0.08, 0.00, 0.11
HSL	251°, 23%, 85%
HSV	251°, 8%, 89%
XYZ	63.6793, 65.0890, 81.1587
YIQ	211.8350, -3.6690, 5.9230

# Conversions

## Conversions Part 2

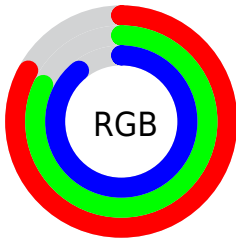
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	212, 209, 226
Decimal	13947362
CIE Lab	84.53, 4.19, -8.01
CIE LCh	85, 9.043, 297.638
Yxy	65.0890, 0.3033, 0.3101
Android (android.graphics.Color)	4292137442 (0xFFD4D1E2)
YUV	211.8350, 6.9833, 0.1447
Hunter-Lab	80.6778, -0.2952, -3.1690

# Details

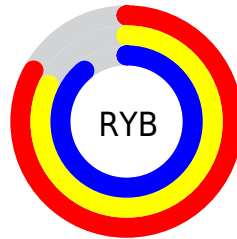
The XYZ color **63.6793, 65.0890, 81.1587** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.1389, 74.6859, 71.0967**, and the grayscale version is **62.4282, 65.6793, 71.5248**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9767, 33.5511, 43.2660** is the 20% darker color. If you saturate the color by 10%, you get **53.4628, 52.1680, 79.2042**, and if you desaturate by 10%, it is **75.3048, 79.9076, 83.4072**.

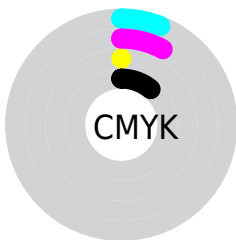
# Distribution



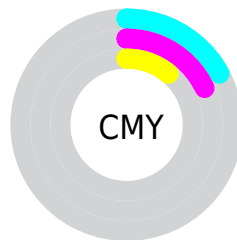
- Red (83%)
- Green (82%)
- Blue (89%)



- Red (83%)
- Yellow (82%)
- Blue (89%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (17%)
- Magenta (18%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6793, 65.0890, 81.1587 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 63.6793, 65.0890, 81.1587 by changing the saturation by 10% instead.



■ 63.6793, 65.0890,  
81.1587

■ 63.6793, 65.0890,  
81.1587

427.6512,  
443.1117, 518.6386

■ 46.6517, 47.5332,  
60.1405

109.2253,  
112.1778, 136.8197

■ 32.9672, 33.4574,  
43.1059

138.4743,  
142.4796, 172.2995

■ 22.2604, 22.4771,  
29.6362

172.5279,  
177.7990, 213.4371

■ 14.1660, 14.2079,  
19.3129

211.7514,  
218.5202, 260.6508

■ 8.3187, 8.2654,  
11.7175

256.5101,  
265.0277, 314.3593

■ 4.3531, 4.2652,  
6.4314

307.1694,

■ 1.9038, 1.8230,

317.7058, 374.9811

3.0361

364.0947,  
376.9390, 442.9346

■ 0.5790, 0.5015,  
1.1131

■ 0.0000, 0.0000,  
0.0000

■ 63.6793, 65.0890,  
81.1587

■ 63.6793, 65.0890,  
81.1587

■ 53.4628, 52.1680,  
79.2042

■ 75.3048, 79.9076,  
83.4072

■ 44.5959, 41.0596,  
77.5274

■ 88.3847, 96.6876,  
85.9567

■ 37.0230, 31.6846,  
76.1169

■ 90.7277, 98.2711,  
86.1389

■ 30.6826, 23.9548,  
74.9591

■ 25.5082, 17.7741,  
74.0388

■ 21.4265, 13.0364,  
73.3395

■ 18.3559, 9.6217,  
72.8422

■ 16.2026, 7.3906,  
72.5251

■ 14.8471, 6.1585,  
72.3587

# Harmonies

## Analogous

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



61.7057, 65.0890, 82.5416



63.6793, 65.0890, 81.1587



65.1947, 65.0890, 76.9755

# Triad

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



63.6793, 65.0890, 81.1587



63.9615, 65.0890, 61.9081



58.0754, 65.0890, 70.4148

# Complementary

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



63.6793, 65.0890, 81.1587



69.1389, 74.6859, 71.0967

# 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.



58.6509, 65.0890, 65.0978



63.6793, 65.0890, 81.1587



62.0249, 65.0890, 60.3556

# Square

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



63.6793, 65.0890, 81.1587



65.3602, 65.0890, 65.8487



60.0858, 65.0890, 61.4914



58.4970, 65.0890, 76.1420



# Rectangle

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



63.6793, 65.0890, 81.1587



65.7261, 65.0890, 73.2722



60.0858, 65.0890, 61.4914



58.1584, 65.0890, 68.5226

# Sweetspot

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



63.6812, 65.0918, 81.1601



91.9159, 96.0010, 108.2933



66.4564, 71.9127, 82.3304



19.7066, 20.5901, 23.1856



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.



63.6812, 65.0918, 81.1601



81.5447, 82.8107, 106.2939



66.1464, 66.3626, 81.2755



13.1762, 13.3589, 17.2717



8.3972, 3.4242, 41.2667



0.6498, 0.2723, 2.8635



# Inverse Universe

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



67.4861, 67.1004, 79.2102



87.5160, 85.9635, 103.2086



66.6337, 73.3944, 70.9795



14.1859, 13.8920, 16.7490



22.9986, 11.2664, 27.7219

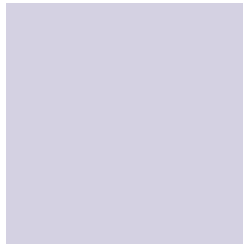


1.6217, 0.7920, 2.0667



# Previews

## White Background



This preview shows how the XYZ color 63.6793, 65.0890, 81.1587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

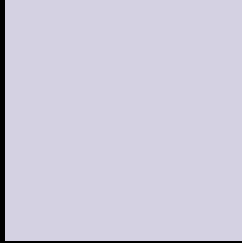
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6793, 65.0890, 81.1587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

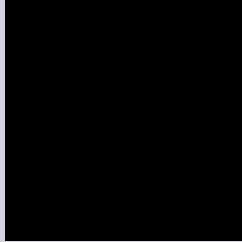
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.6793, 65.0890, 81.1587

## Background



This preview shows how black text looks on a background with the XYZ color 63.6793, 65.0890, 81.1587.



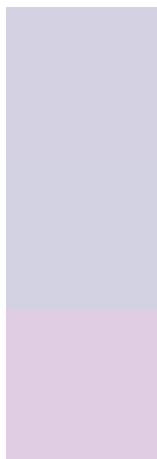
This preview shows how white text looks on a background with the XYZ color 63.6793, 65.0890,



# 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

63.6793, 65.0890, 81.1587

### Protanopia

63.3524, 65.2858, 81.2139

### Deuteranopia

66.4369, 65.0560, 81.7285



## Tritanopia

63.6793, 65.0890, 81.1587

# Trichromacy



## Original Color

63.6793, 65.0890, 81.1587

## Protanomaly

63.6380, 65.4331, 81.2273

## Deuteranomaly

65.4516, 64.9043, 81.7512

## Tritanomaly

63.6793, 65.0890, 81.1587

# Monochromacy



## Original Color

63.6793, 65.0890, 81.1587

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.9700, 65.5953, 74.9879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6793, 65.0890, 81.1587 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(212, 209, 226) looks like.

```
.text, #text, p{  
    color:rgb(212, 209, 226)  
}
```

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(212, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 209, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6793, 65.0890, 81.1587 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(212, 209, 226) }
```



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

```
.border{ border-color:rgb(212, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(212, 209,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6793, 65.0890, 81.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 209, 226) }
```

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

```
.background{ background-color: rgb(212,  
209, 226) }
```

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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