

Converting Colors

XYZ(63.2111, 63.0590, 87.5593)

Have a look what the booklet for
XYZ(63.2111, 63.0590, 87.5593)
contains.

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Color

**XYZ(63.1666, 62.8855,
87.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	D2CCEB
RGB	210, 204, 235
RGB Percent	82%, 80%, 92%
CMY	0.1765, 0.2000, 0.0784
CMYK	0.11, 0.13, 0.00, 0.08
HSL	252°, 44%, 86%
HSV	252°, 13%, 92%
XYZ	63.1666, 62.8855, 87.4061
YIQ	209.3280, -6.3750, 10.9130

Conversions

Conversions Part 2

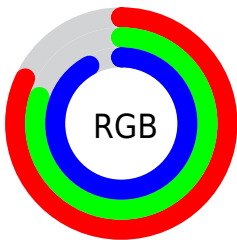
Format	Color
R _Y B	210, 204, 235
Decimal	13815019
CIE Lab	83.38, 7.96, -14.53
CIE LCh	83, 16.567, 298.730
Yxy	62.8855, 0.2959, 0.2946
Android (android.graphics.Color)	4292005099 (0xFFD2CCEB)
YUV	209.3280, 12.6563, 0.5893
Hunter-Lab	79.3004, 3.4083, -9.8401

Details

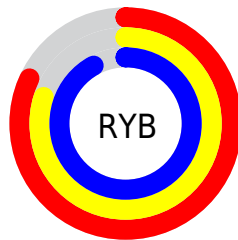
The XYZ color **63.1666, 62.8855, 87.4061** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.9227, 80.4359, 68.8119**, and the grayscale version is **60.7429, 63.9063, 69.5940**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.5606, 32.0359, 47.1152** is the 20% darker color. If you saturate the color by 10%, you get **52.9170, 49.9276, 85.4462**, and if you desaturate by 10%, it is **74.9018, 77.8636, 89.6796**.

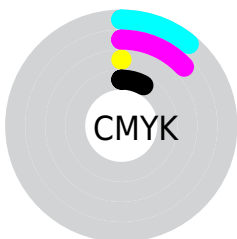
Distribution



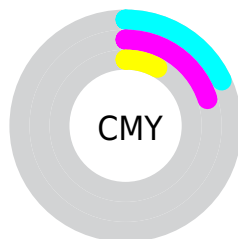
- Red (82%)
- Green (80%)
- Blue (92%)



- Red (82%)
- Yellow (80%)
- Blue (92%)



- Cyan (11%)
- Magenta (13%)
- Yellow (0%)
- Black (8%)



- Cyan (18%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1666, 62.8855, 87.4061 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 63.1666, 62.8855, 87.4061 by changing the saturation by 10% instead.

■ 63.1666, 62.8855,
87.4061

■ 63.1666, 62.8855,
87.4061

425.8239,
435.1538, 539.9072

■ 46.2352, 45.7486,
65.2698

108.4903,
109.0043, 145.6339

■ 32.6368, 32.0475,
47.2271

137.6132,
138.7550, 182.5625

■ 22.0063, 21.3978,
32.8596

171.5307,
173.4790, 225.2589

■ 13.9781, 13.4151,
21.7487

210.6082,
213.5609, 274.1416

■ 8.1871, 7.7150,
13.4758

255.2108,
259.3849, 329.6293

■ 4.2677, 3.9131,
7.6224

305.7041,

■ 1.8547, 1.6251,

311.3354, 392.1404

3.7700

362.4533,
369.7970, 462.0935

■ 0.5503, 0.3744,
1.5000

■ 0.0000, 0.0000,
0.2180

■ 63.1666, 62.8855,
87.4061

■ 63.1666, 62.8855,
87.4061

■ 52.9170, 49.9276,
85.4462

■ 74.9018, 77.8636,
89.6796

■ 44.0876, 38.8952,
83.7821

■ 88.1732, 94.9354,
92.2753

■ 36.6161, 29.6979,
82.4006

■ 91.9956, 98.7782,
92.8156

■ 30.4337, 22.2349,
81.2859

■ 25.4651, 16.3955,
80.4207

■ 21.6270, 12.0559,
79.7853

■ 18.8250, 9.0741,
79.3575

■ 16.9478, 7.2798,
79.1101

■ 16.0985, 6.5668,
79.0172

Harmonies

Analogous

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



59.6172, 62.8855, 90.3090



63.1666, 62.8855, 87.4061



65.8964, 62.8855, 79.3071

Triad

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



63.1666, 62.8855, 87.4061



63.4433, 62.8855, 52.8601



53.1022, 62.8855, 68.0323

Complementary

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



63.1666, 62.8855, 87.4061



72.9227, 80.4359, 68.8119

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.



54.0371, 62.8855, 58.6710



63.1666, 62.8855, 87.4061



59.9247, 62.8855, 50.4730

Square

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



63.1666, 62.8855, 87.4061



66.0606, 62.8855, 59.3616



56.4989, 62.8855, 52.4904



53.8935, 62.8855, 78.4690

Rectangle

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



63.1666, 62.8855, 87.4061



66.8332, 62.8855, 72.4270



56.4989, 62.8855, 52.4904



53.2243, 62.8855, 64.6629

Sweetspot

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



63.1685, 62.8881, 87.4075



88.9199, 92.1369, 107.7054



68.0062, 75.0513, 89.5003



18.7929, 19.4143, 23.0068



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.



63.1685, 62.8881, 87.4075



72.3003, 70.9589, 104.4935



67.6988, 65.2236, 87.6195



14.5032, 14.6892, 18.9931



9.0398, 3.6961, 43.9799



0.7850, 0.3290, 3.4570

Inverse Universe

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



69.9987, 66.5077, 83.2795



82.1421, 76.1764, 98.4554



68.2875, 78.0463, 68.5950



15.5826, 15.2609, 18.3532



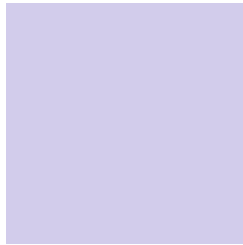
24.2576, 11.9057, 28.2216



1.9368, 0.9477, 2.3845

Previews

White Background



This preview shows how the XYZ color 63.1666, 62.8855, 87.4061 looks on a white background.

Color Contrast Check

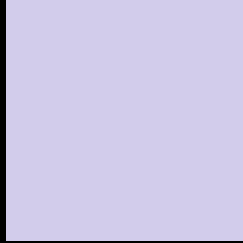
Large Text (above 18pt) WCAG AA × Fail

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 63.1666, 62.8855, 87.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

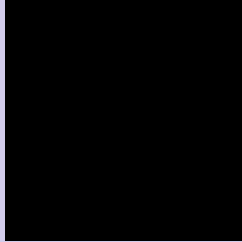
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1666, 62.8855, 87.4061

Background



This preview shows how black text looks on a background with the XYZ color 63.1666, 62.8855, 87.4061.



This preview shows how white text looks on a background with the XYZ color 63.1666, 62.8855,

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

63.1666, 62.8855, 87.4061

Protanopia

61.8402, 62.8953, 88.2375

Deuteranopia

64.1403, 62.6863, 87.3164



Tritanopia

61.2685, 62.8264, 78.0048

Trichromacy



Original Color

63.1666, 62.8855, 87.4061

Protanomaly

62.4252, 62.8406, 88.1962

Deuteranomaly

63.7919, 62.8562, 87.3675

Tritanomaly

61.9909, 62.7640, 81.5204

Monochromacy



Original Color

63.1666, 62.8855, 87.4061

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.2622, 63.2429, 75.3079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1666, 62.8855, 87.4061 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(210, 204, 235)` looks like.

```
.text, #text, p{  
    color:rgb(210, 204, 235)  
}
```

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(210, 204, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 204, 235) }
```

Border

The CSS property to change the border of an element to XYZ 63.1666, 62.8855, 87.4061 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(210, 204, 235) }
```


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

```
.border{ border-color:rgb(210, 204, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 204, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 204, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 204, 235);  
box-shadow:4px 4px 4px 4px rgb(210, 204,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1666, 62.8855, 87.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 204, 235) }
```

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

```
.background{ background-color: rgb(210,  
204, 235) }
```

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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